

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090618\
 Data File : VX004398.D
 Acq On : 06 Sep 2018 21:07
 Operator : JC/MD
 Sample : VX0906MBSD01
 Misc : 5.0µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0906MBSD01

Manual Integrations
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MMDadoda
 9/7/2018 1:42:55 PM

Quant Time: Sep 07 08:01:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	347095	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	510061	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	493162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	292780	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	211419	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
35) Dibromofluoromethane	5.50	113	183216	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
50) Toluene-d8	8.71	98	688265	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	11.14	95	260759	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	64803	16.12	ug/l	97
3) Chloromethane	1.32	50	75838	17.26	ug/l	99
4) Vinyl Chloride	1.40	62	83281	18.31	ug/l	100
5) Bromomethane	1.64	94	39058	16.05	ug/l	96
6) Chloroethane	1.72	64	64461	19.20	ug/l	100
7) Trichlorofluoromethane	1.92	101	116250	18.65	ug/l	95
8) Diethyl Ether	2.18	74	55084	20.64	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	74508	19.09	ug/l	99
10) Methyl Iodide	2.51	142	71907	19.20	ug/l	97
11) Tert butyl alcohol	3.07	59	104649	108.52	ug/l	100
12) 1,1-Dichloroethene	2.37	96	69022	18.77	ug/l	99
13) Acrolein	2.29	56	23901	102.80	ug/l	99
14) Allyl chloride	2.73	41	132185	19.57	ug/l	97
15) Acrylonitrile	3.15	53	250963	105.08	ug/l	99
16) Acetone	2.45	43	202413	104.92	ug/l	99
17) Carbon Disulfide	2.57	76	154253	15.66	ug/l	98
18) Methyl Acetate	2.78	43	191968	28.60	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	255148	21.06	ug/l	98
20) Methylene Chloride	2.85	84	91033	20.90	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	74846	18.39	ug/l	95
22) Diisopropyl ether	3.87	45	258024	20.46	ug/l	99
23) Vinyl Acetate	3.82	43	928545	90.83	ug/l	98
24) 1,1-Dichloroethane	3.69	63	149605	20.35	ug/l	99
25) 2-Butanone	4.70	43	320978	104.23	ug/l	99
26) 2,2-Dichloropropane	4.58	77	83754	14.53	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	89269	19.34	ug/l	97
28) Bromochloromethane	5.01	49	68948	21.19	ug/l	99
29) Tetrahydrofuran	5.16	42	204001	104.96	ug/l	100
30) Chloroform	5.21	83	144758	19.64	ug/l	99
31) Cyclohexane	5.57	56	118699	18.71	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	117426	19.11	ug/l	100
36) 1,1-Dichloropropene	5.80	75	105400	18.38	ug/l	98
37) Ethyl Acetate	4.86	43	110836	19.65	ug/l	99
38) Carbon Tetrachloride	5.78	117	97829	18.14	ug/l	94

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Instrument :
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Quant Time: Sep 07 08:01:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	117483	17.94	ug/l	99
40) Benzene	6.14	78	330416	19.28	ug/l	99
41) Methacrylonitrile	5.06	41	67069	20.52	ug/l	99
42) 1,2-Dichloroethane	6.20	62	111957	19.16	ug/l	99
43) Isopropyl Acetate	6.46	43	173480	20.02	ug/l	99
44) Trichloroethene	7.21	130	90540	19.09	ug/l	98
45) 1,2-Dichloropropane	7.52	63	86521	20.18	ug/l	100
46) Dibromomethane	7.66	93	54448	19.07	ug/l	99
47) Bromodichloromethane	7.90	83	99636	18.75	ug/l	99
48) Methyl methacrylate	7.78	41	92857	20.03	ug/l	97
49) 1,4-Dioxane	7.76	88	44746	425.03	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	624439	99.18	ug/l	100
52) Toluene	8.79	92	212928	19.85	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	106935	18.22	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	120888	18.91	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	88533	20.45	ug/l	98
56) Ethyl methacrylate	9.18	69	121812	20.67	ug/l	98
57) 1,3-Dichloropropane	9.37	76	148478	20.35	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	312905	103.61	ug/l	99
59) 2-Hexanone	9.50	43	470318	97.91	ug/l	99
60) Dibromochloromethane	9.59	129	79531	18.85	ug/l	99
61) 1,2-Dibromoethane	9.67	107	88901	19.84	ug/l	100
64) Tetrachloroethene	9.34	164	102134	20.96	ug/l	99
65) Chlorobenzene	10.14	112	237829	19.22	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	80149	18.77	ug/l	99
67) Ethyl Benzene	10.26	91	378493	18.83	ug/l	99
68) m/p-Xylenes	10.36	106	304386	38.73	ug/l	98
69) o-Xylene	10.70	106	146207	19.67	ug/l	99
70) Styrene	10.71	104	243517	20.23	ug/l	99
71) Bromoform	10.86	173	59735	17.36	ug/l	99
73) Isopropylbenzene	11.02	105	403239	20.97	ug/l	100
74) N-amyl acetate	10.90	43	146980	19.85	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	130563	19.40	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	119462m	20.06	ug/l	
77) Bromobenzene	11.26	156	106784	19.80	ug/l	98
78) n-propylbenzene	11.36	91	454342	20.54	ug/l	100
79) 2-Chlorotoluene	11.42	91	274528	20.17	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	335315	21.06	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	30740	16.75	ug/l	96
82) 4-Chlorotoluene	11.51	91	318987	19.91	ug/l	100
83) tert-Butylbenzene	11.77	119	323356	20.18	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	349946	21.41	ug/l	99
85) sec-Butylbenzene	11.94	105	408960	21.50	ug/l	100
86) p-Isopropyltoluene	12.07	119	363374	21.32	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	197059	19.40	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	202822	18.94	ug/l	99
89) n-Butylbenzene	12.39	91	279610	20.17	ug/l	100
90) Hexachloroethane	12.60	117	45092	18.92	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	182118	19.62	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22716	19.17	ug/l	97

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ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0906MBSD01

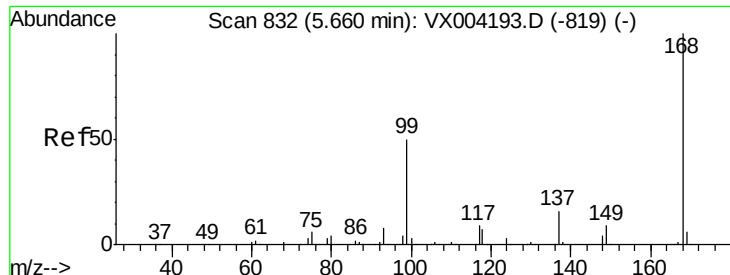
Manual Integrations
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9/7/2018 1:42:55 PM

Quant Time: Sep 07 08:01:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	142446	21.09	ug/l	99
94) Hexachlorobutadiene	13.79	225	70002	22.20	ug/l	98
95) Naphthalene	13.83	128	438080	22.93	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	150953	21.11	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



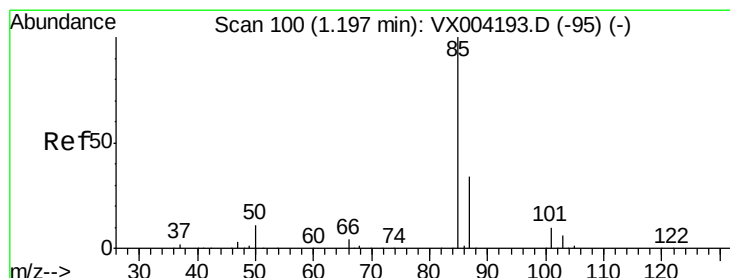
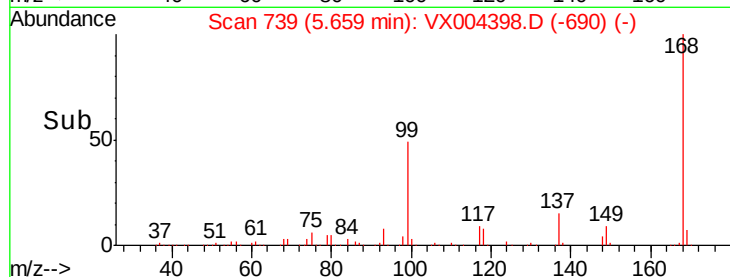
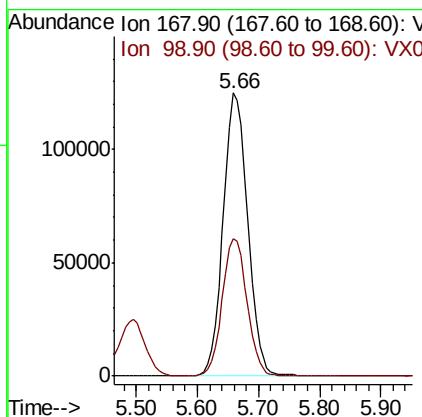
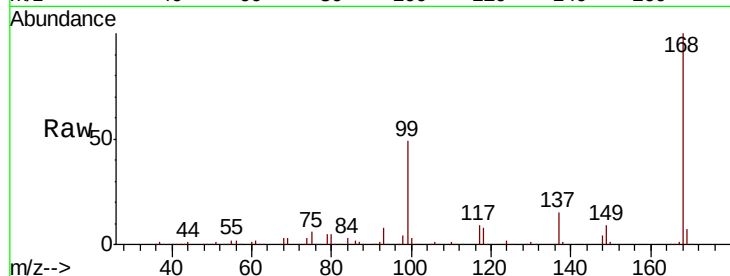
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Instrument :
MSVOA_X
ClientSampleId :
VX0906MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
168	100	347095		
99	48.4	39.9	59.9	

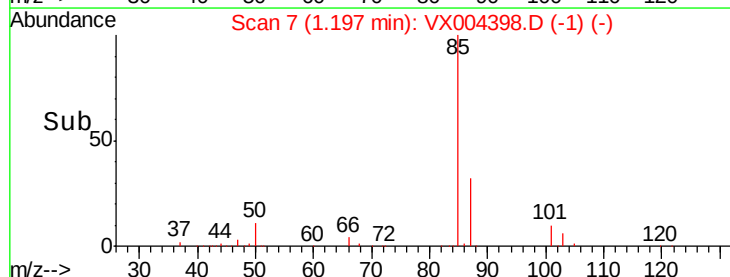
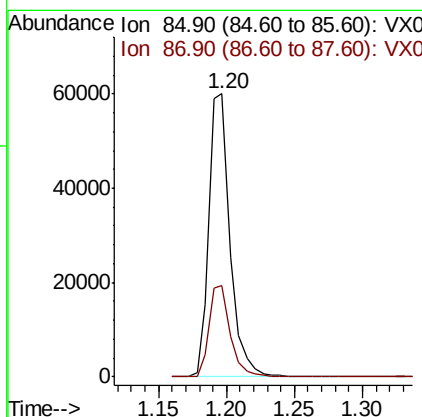
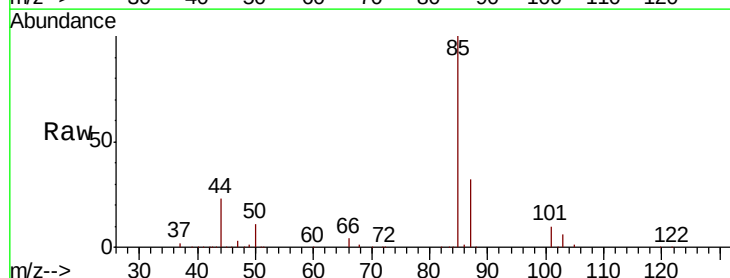
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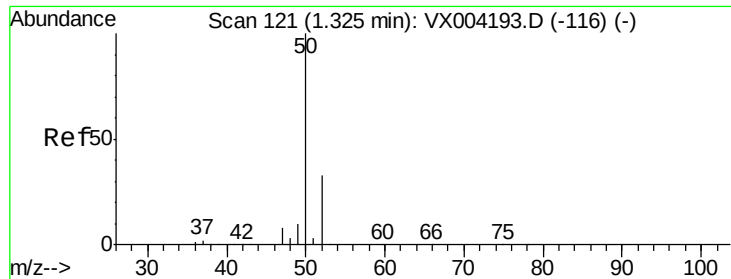
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#2
Dichlorodifluoromethane
Concen: 16.12 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	64803		
87	32.1	17.0	50.9	





#3

Chloromethane

Concen: 17.26 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.01 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Tot Ion: 50 Resp: 75838

Ion Ratio Lower Upper

50 100

52 33.2 26.2 39.2

Instrument :

MSVOA_X

ClientSampleId :

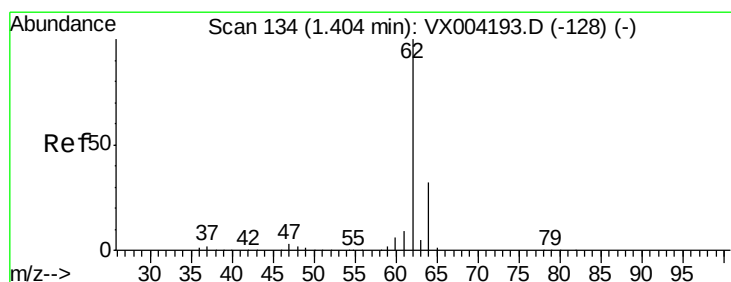
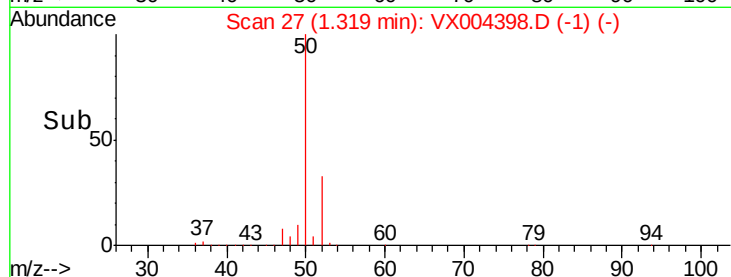
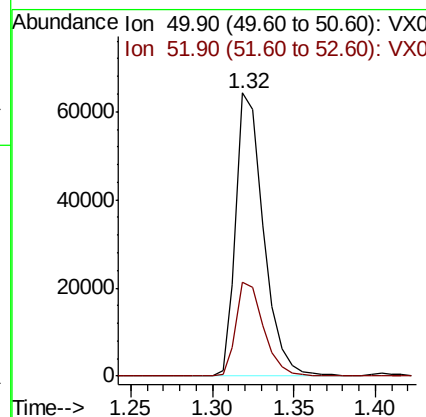
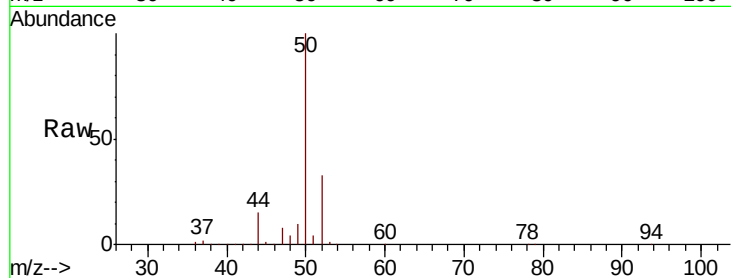
VX0906MBSD01

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.31 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004398.D

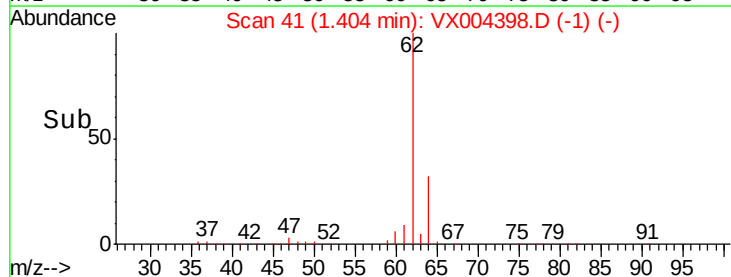
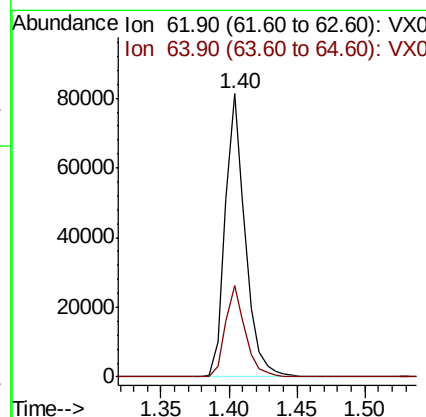
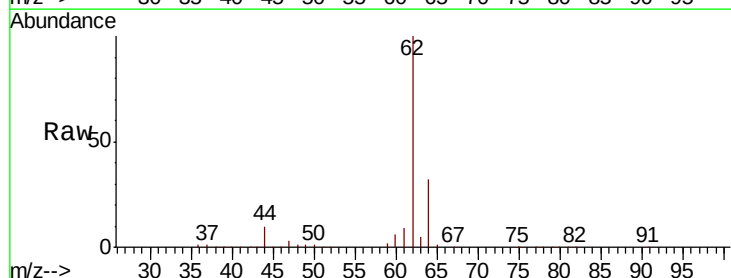
Acq: 06 Sep 2018 21:07

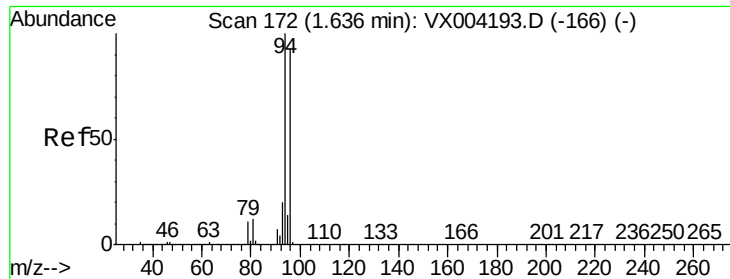
Tgt Ion: 62 Resp: 83281

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8





#5

Bromomethane

Concen: 16.05 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Instrument :

MSVOA_X

ClientSampleId :

VX0906MBSD01

Tot Ion: 94 Resp: 39058

Ion Ratio Lower Upper

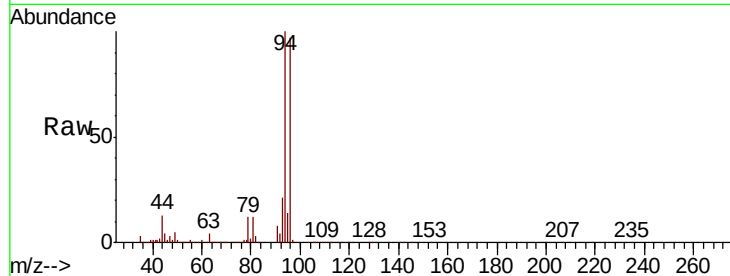
94 100

96 97.1 74.5 111.7

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

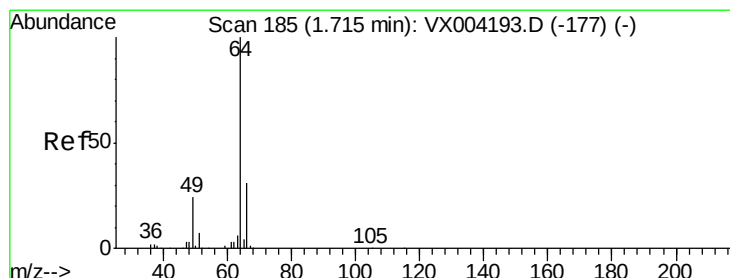
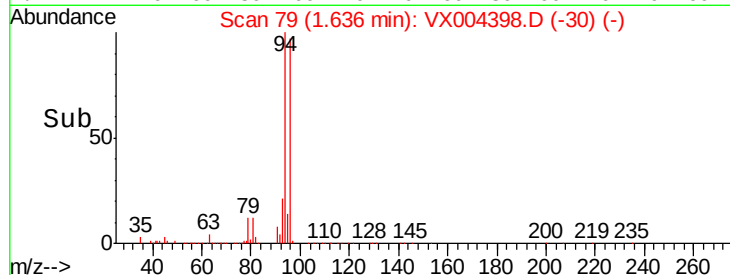
20000

10000

0

Time-->

1.60 1.70



#6

Chloroethane

Concen: 19.20 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004398.D

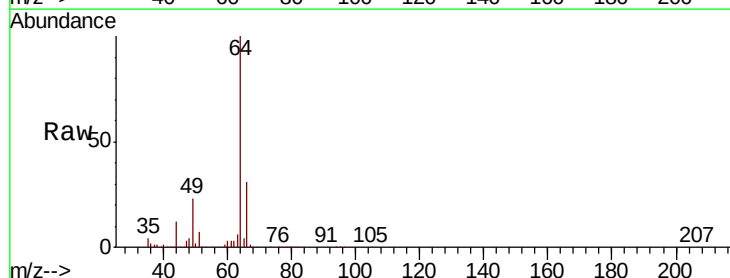
Acq: 06 Sep 2018 21:07

Tgt Ion: 64 Resp: 64461

Ion Ratio Lower Upper

64 100

66 30.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

40000

30000

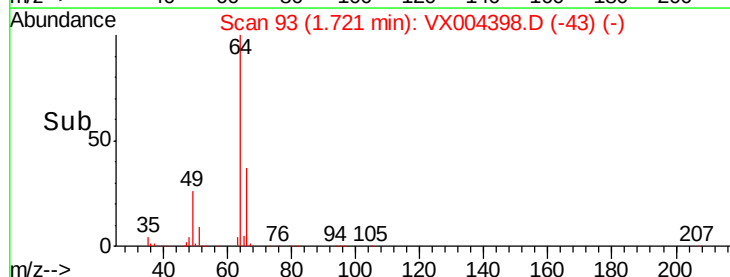
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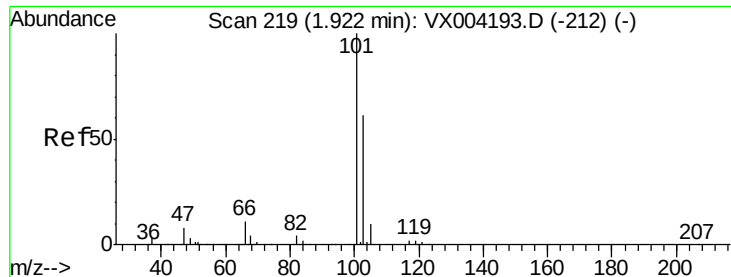
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Time-->

1.60 1.70 1.80





#7

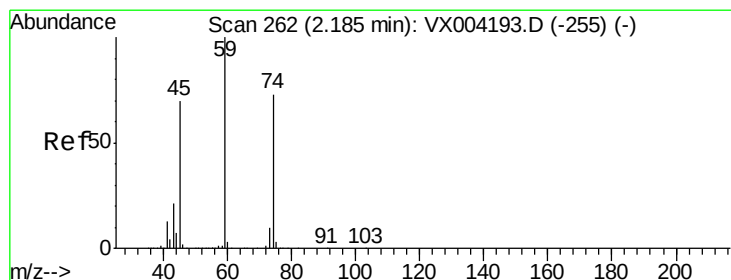
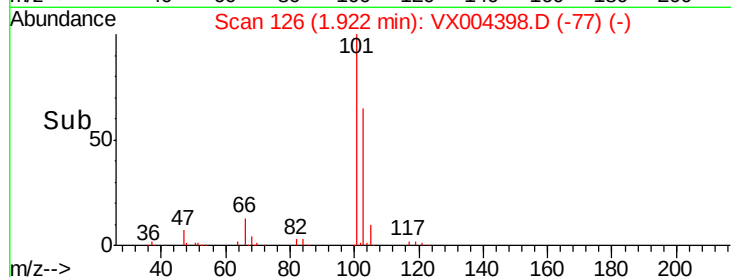
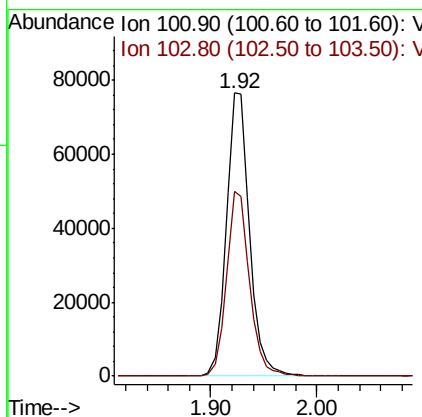
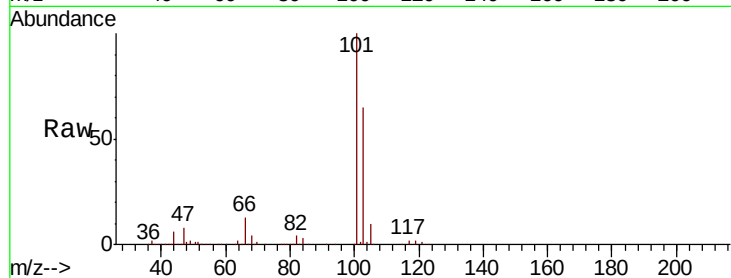
Trichlorofluoromethane
 Concen: 18.65 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	48.9	73.3

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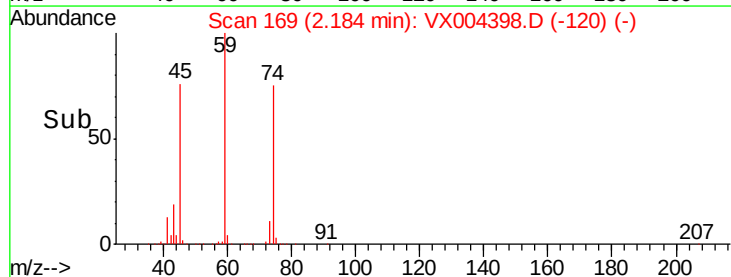
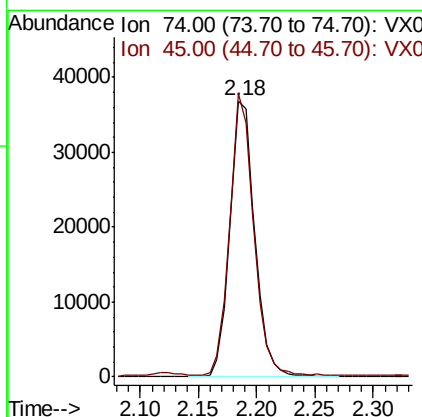
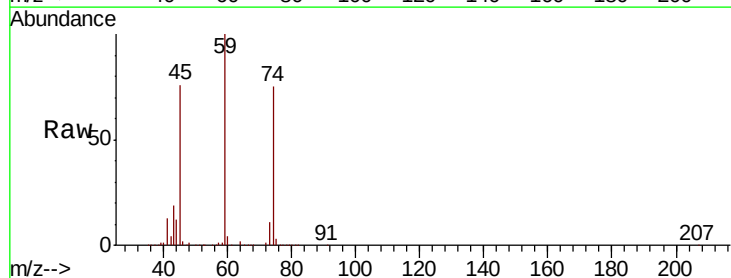
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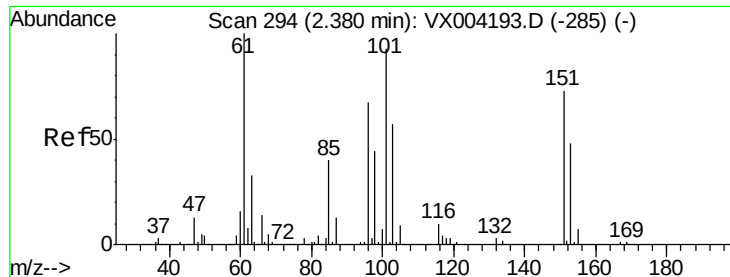


#8

Diethyl Ether
 Concen: 20.64 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.09 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Instrument :

MSVOA_X

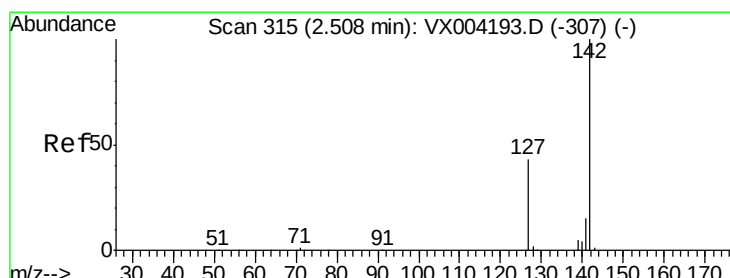
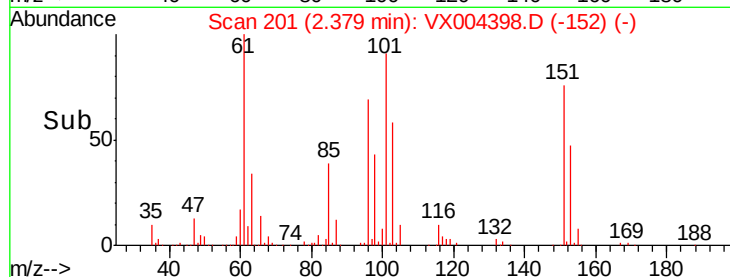
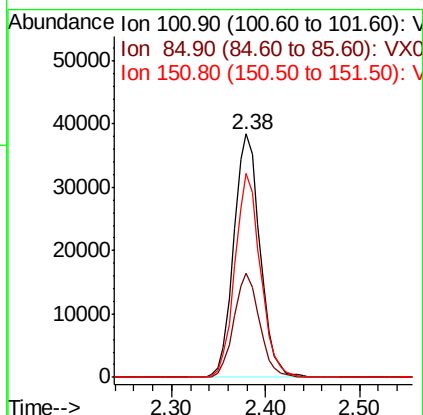
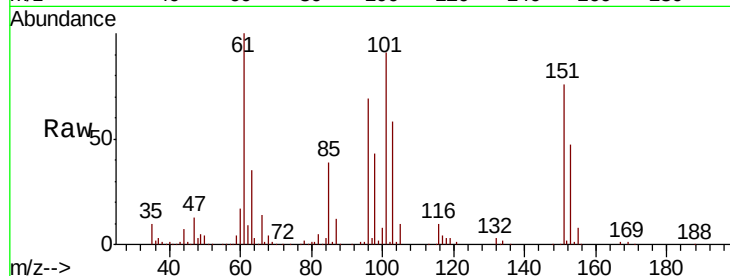
ClientSampleId :

VX0906MBS01

Tot Ion:	101	Resp:	74508
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.2	51.4
151	81.3	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.20 ug/l

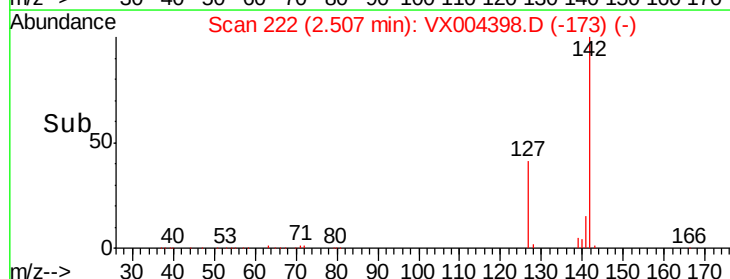
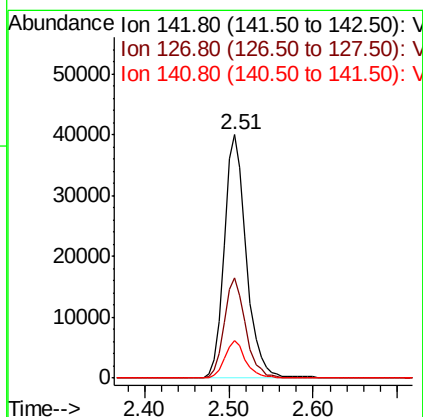
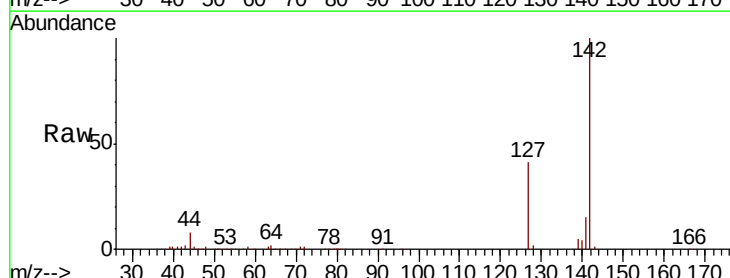
RT: 2.51 min Scan# 222

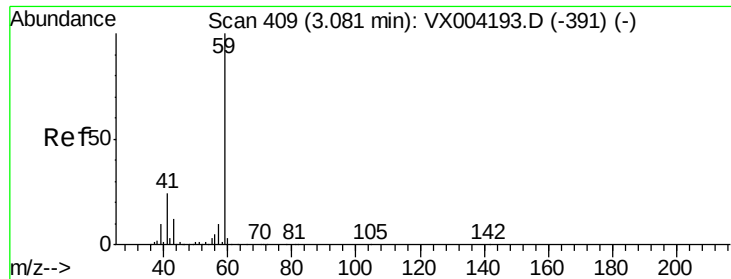
Delta R.T. 0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Tgt Ion:	142	Resp:	71907
Ion Ratio	Lower	Upper	
142	100		
127	40.2	33.8	50.6
141	14.6	11.4	17.0





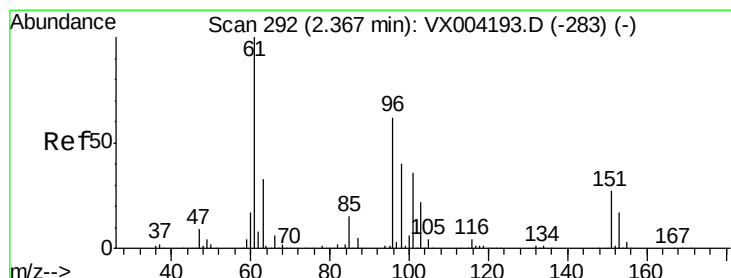
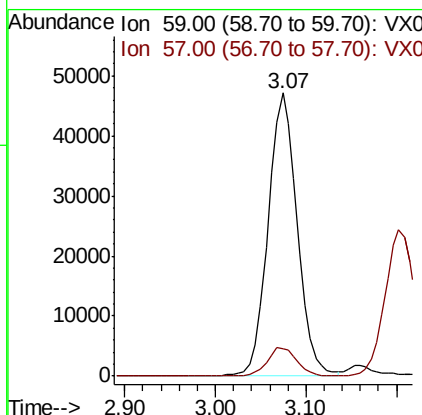
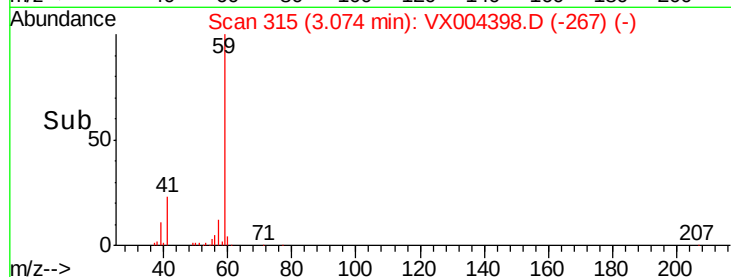
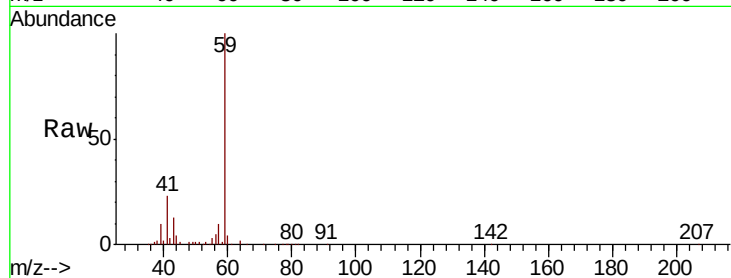
#11
Tert butyl alcohol
Concen: 108.52 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Instrument :
MSVOA_X
ClientSampleId :
VX0906MBS01

Tot Ion: 59 Resp: 104649
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4

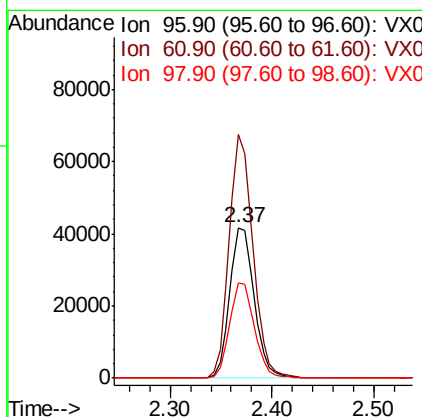
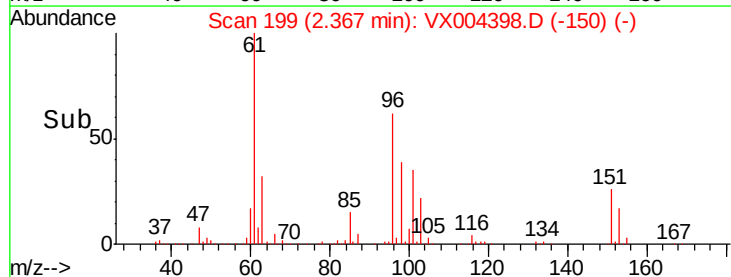
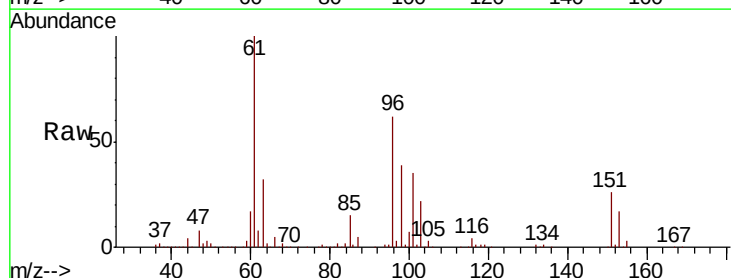
Manual Integrations
APPROVED

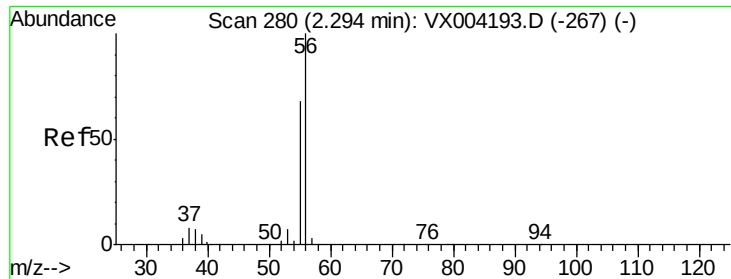
MMDadoda
9/7/2018 1:42:55 PM



#12
1,1-Dichloroethene
Concen: 18.77 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Tgt Ion: 96 Resp: 69022
Ion Ratio Lower Upper
96 100
61 161.6 128.8 193.2
98 63.2 52.2 78.2





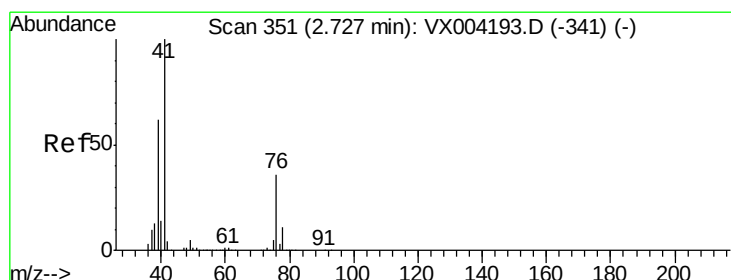
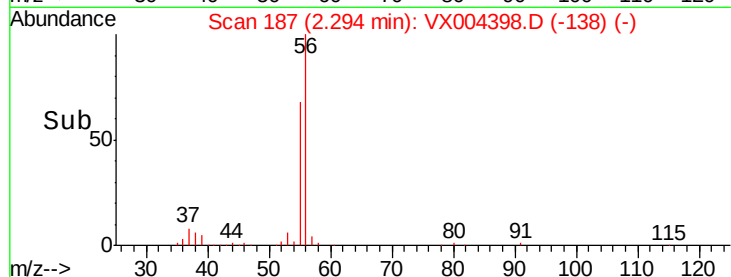
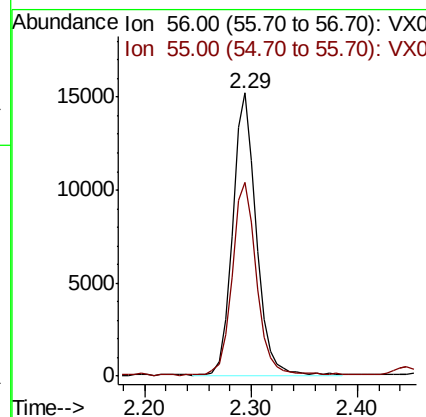
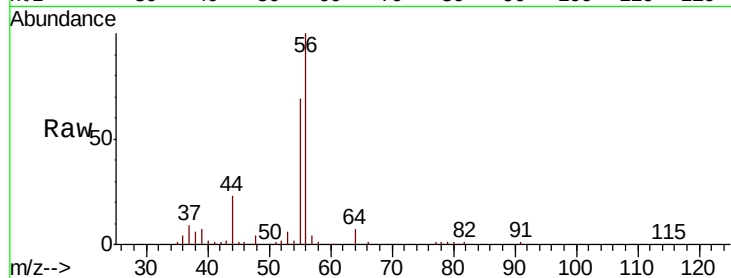
#13
Acrolein
Concen: 102.80 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Instrument :
MSVOA_X
ClientSampleId :
VX0906MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.4	54.7	82.1

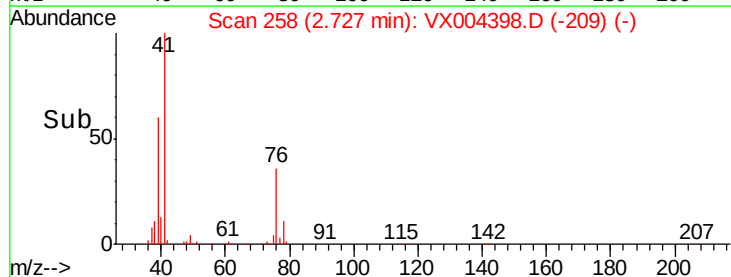
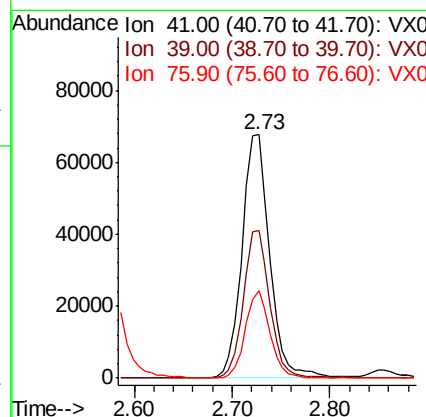
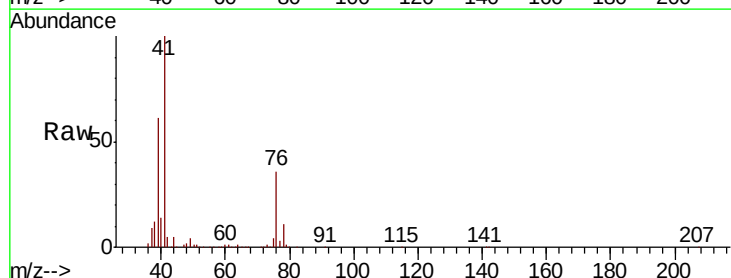
Manual Integrations
APPROVED

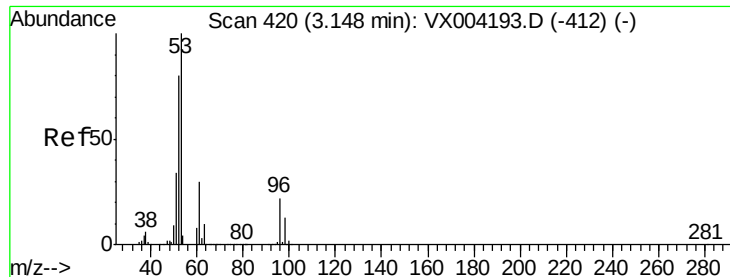
MMDadoda
9/7/2018 1:42:55 PM



#14
Allyl chloride
Concen: 19.57 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.7	48.9	73.3
76	32.4	26.7	40.1





#15

Acrylonitrile

Concen: 105.08 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Instrument :

MSVOA_X

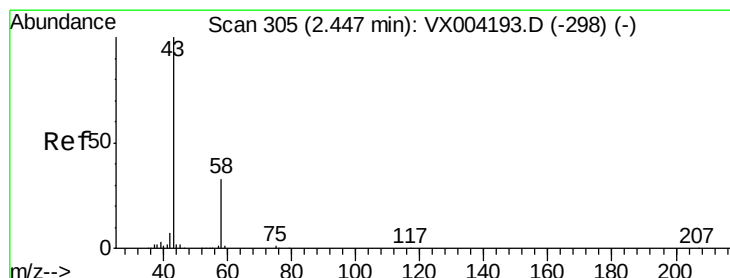
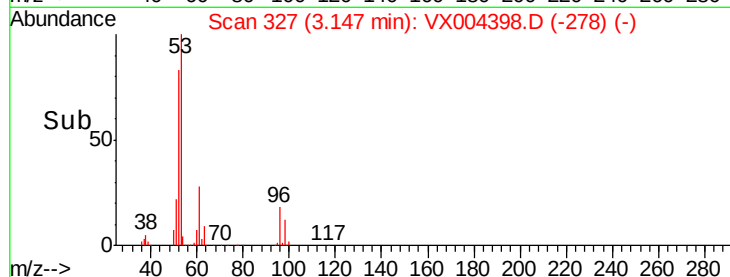
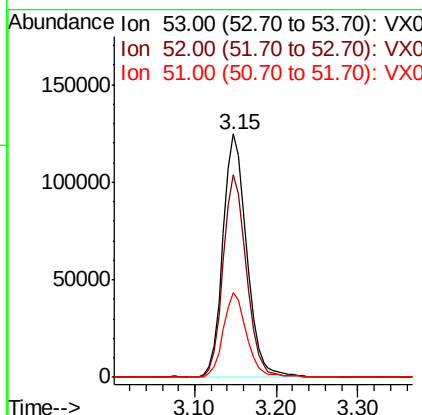
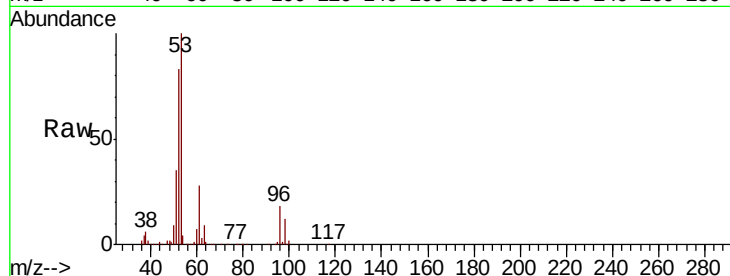
ClientSampleId :

VX0906MBSD01

Tot Ion:	53	Resp:	250963
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.2	97.8
51	34.3	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 104.92 ug/l

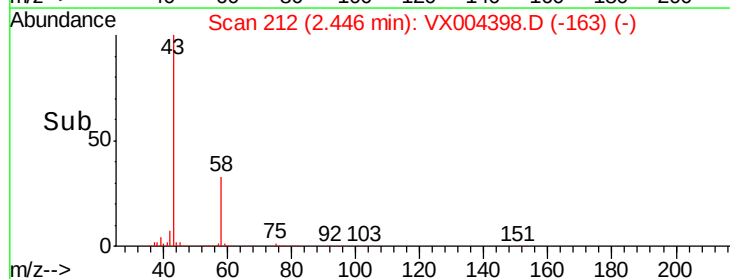
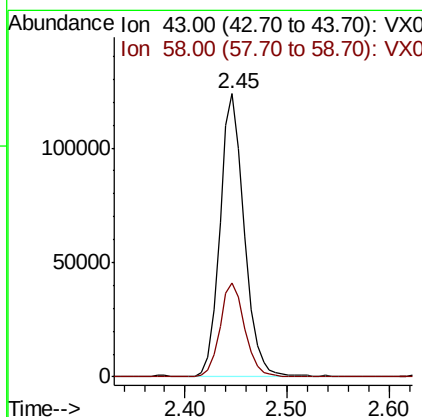
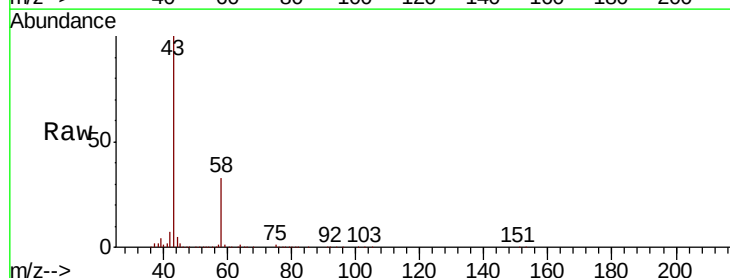
RT: 2.45 min Scan# 212

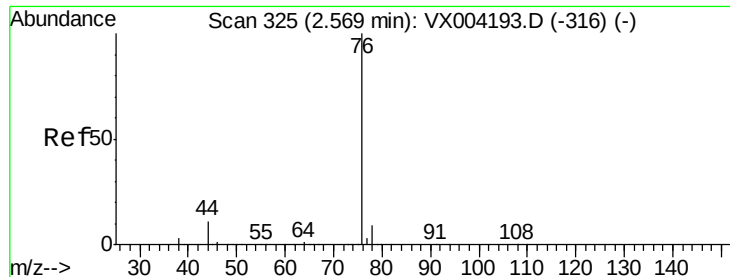
Delta R.T. 0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Tgt Ion:	43	Resp:	202413
Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.2	39.4





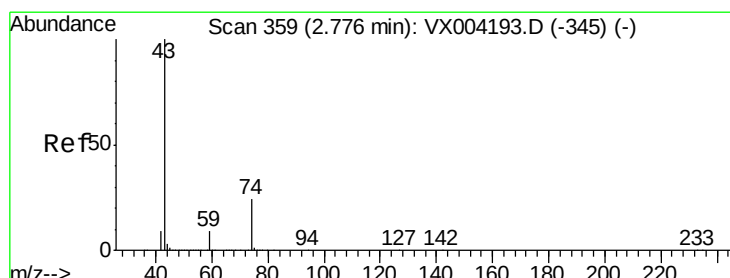
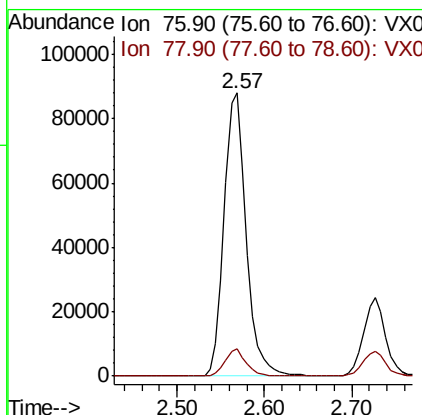
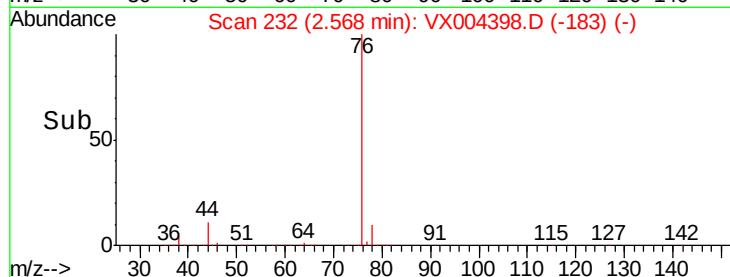
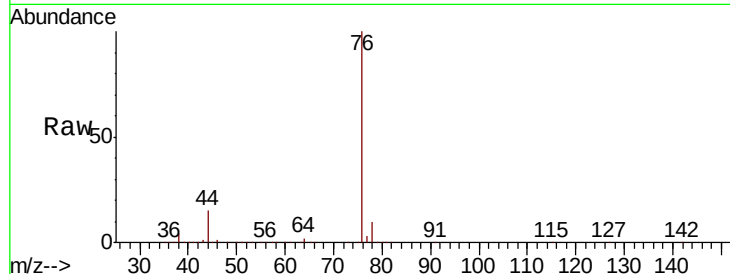
#17
Carbon Disulfide
Concen: 15.66 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Instrument :
MSVOA_X
ClientSampleId :
VX0906MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.6

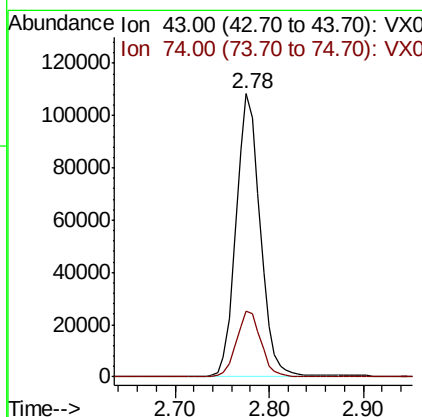
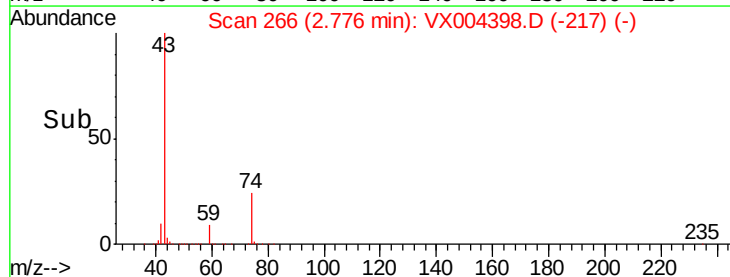
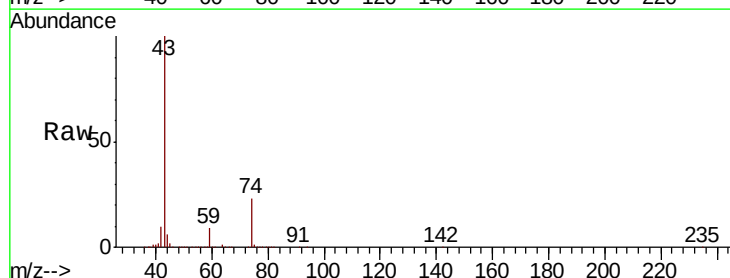
Manual Integrations
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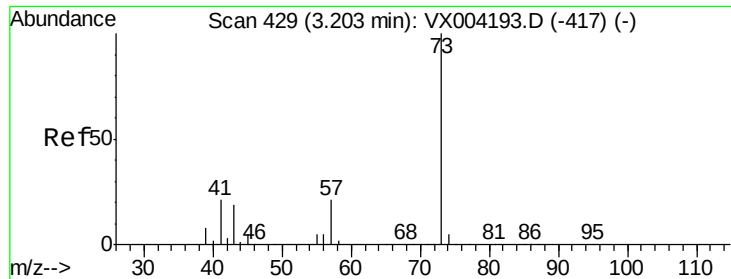
MMDadoda
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#18
Methyl Acetate
Concen: 28.60 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.4	29.2





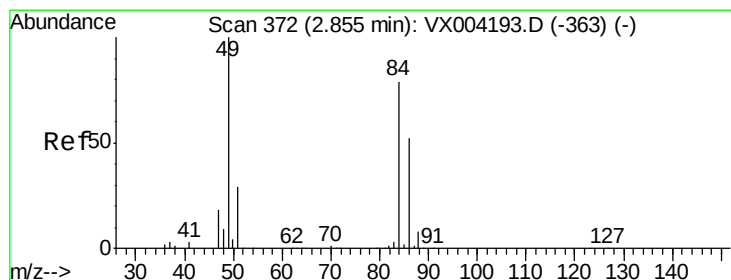
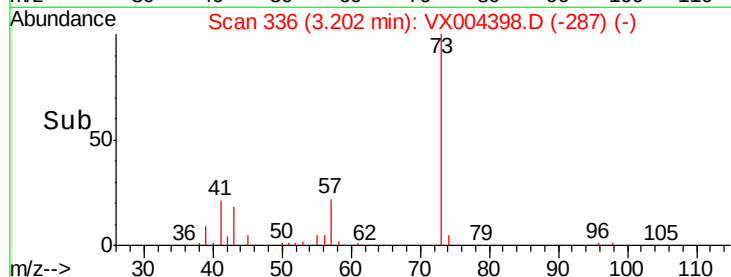
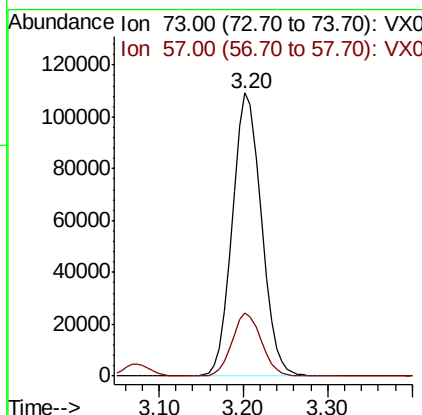
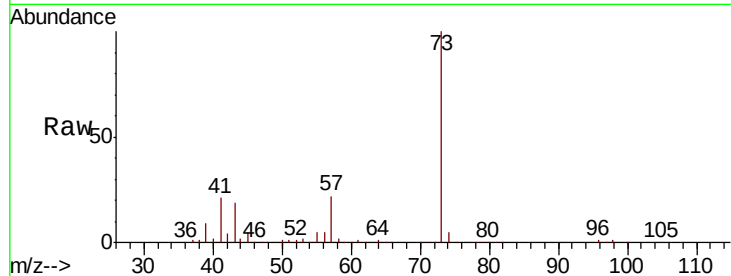
#19
Methyl tert-butyl Ether
Concen: 21.06 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Instrument :
MSVOA_X
ClientSampleId :
VX0906MBSD01

Tot Ion: 73 Resp: 255148
Ion Ratio Lower Upper
73 100
57 22.3 17.1 25.7

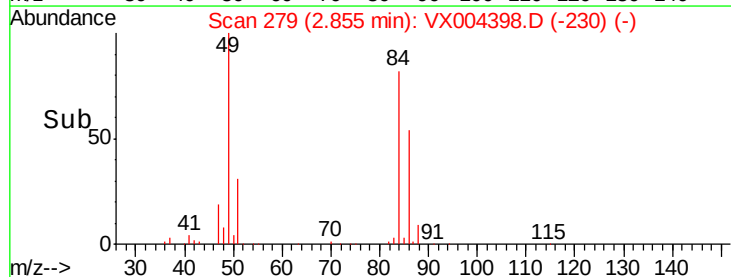
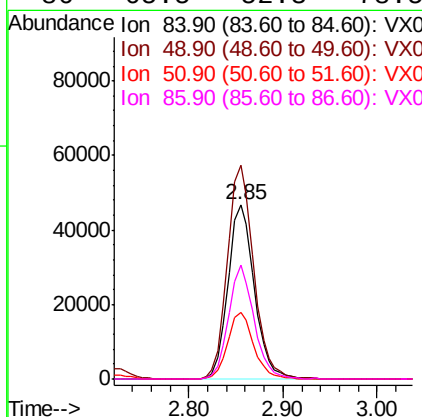
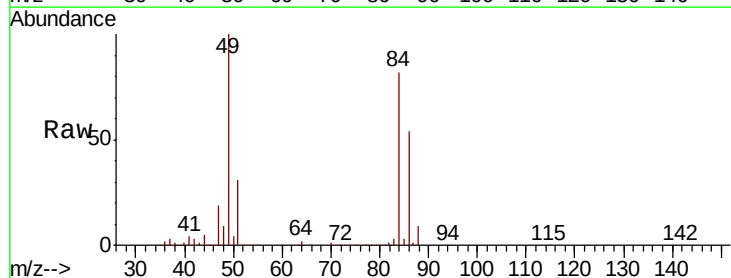
Manual Integrations
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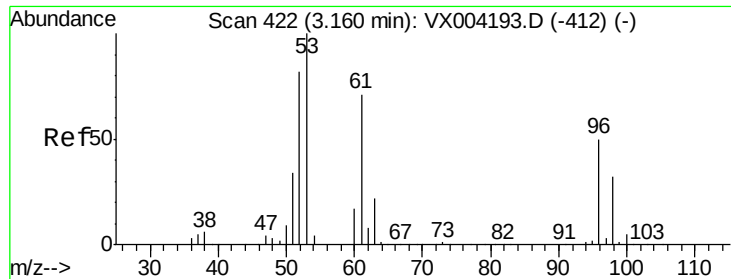
MMDadoda
9/7/2018 1:42:55 PM



#20
Methylene Chloride
Concen: 20.90 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Tgt Ion: 84 Resp: 91033
Ion Ratio Lower Upper
84 100
49 122.4 101.2 151.8
51 38.3 29.5 44.3
86 65.5 52.3 78.5





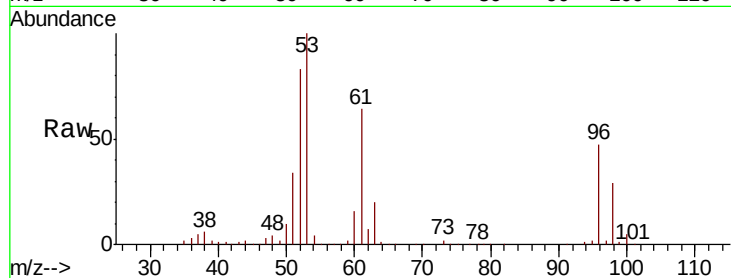
#21
trans-1,2-Dichloroethene
Concen: 18.39 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Instrument :
MSVOA_X
ClientSampleId :
VX0906MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.3	113.8	170.6
98	61.9	51.8	77.8

Manual Integrations
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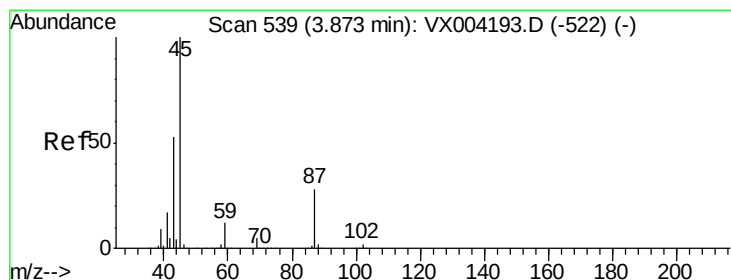
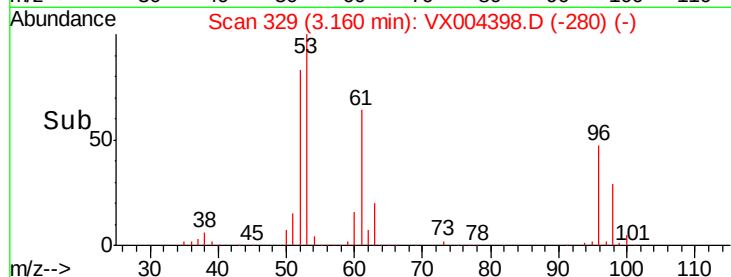
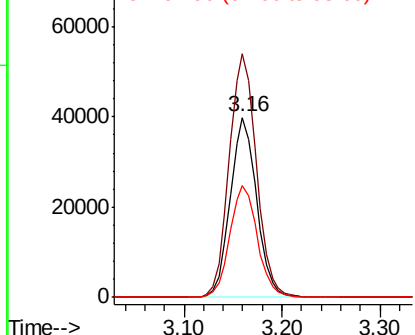


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22
Diisopropyl ether
Concen: 20.46 ug/l
RT: 3.87 min Scan# 446
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	52.8	42.8	64.2
87	28.4	22.6	34.0
59	11.9	9.6	14.4

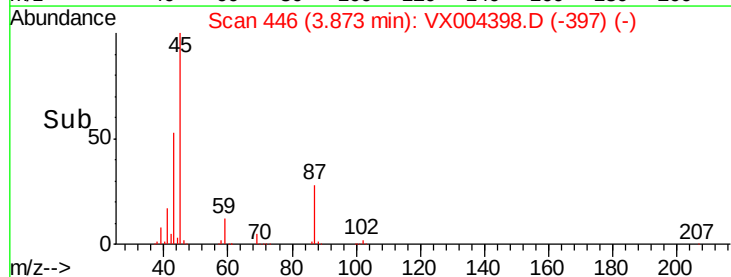
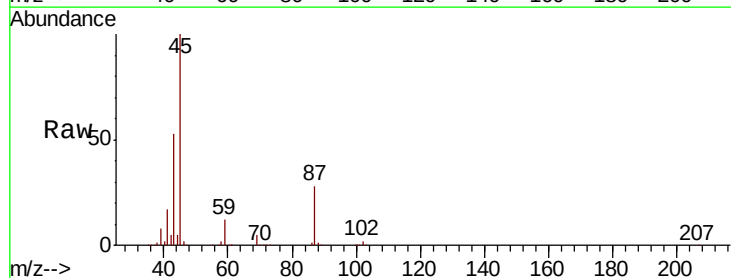
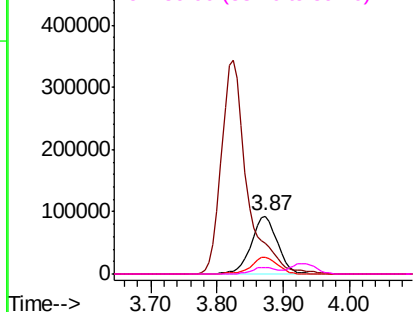
Abundance

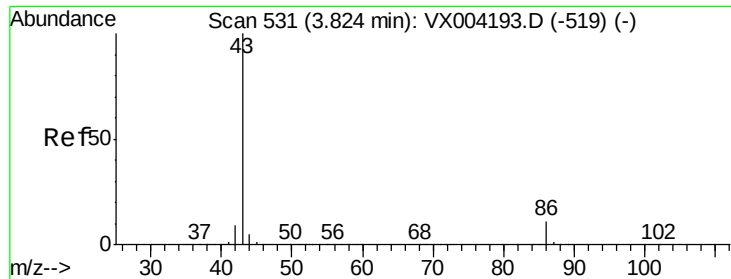
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





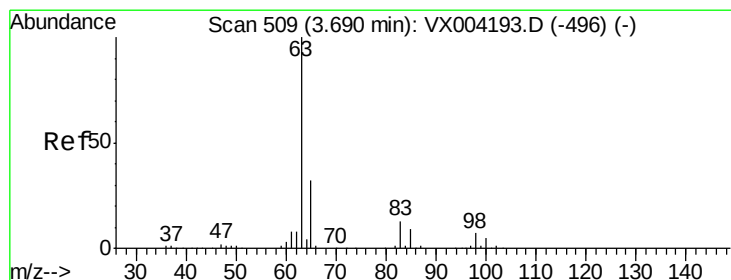
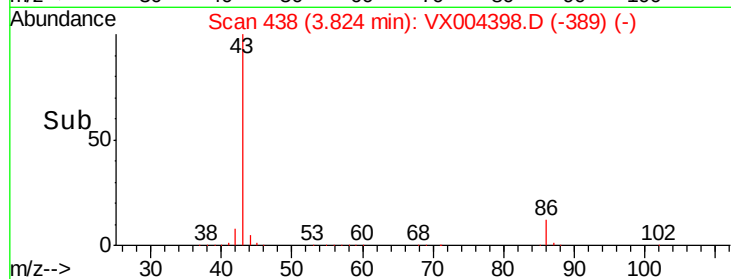
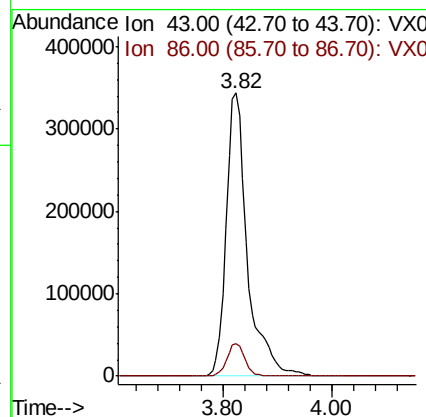
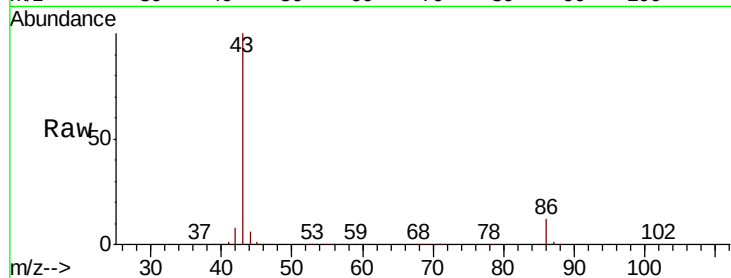
#23
 Vinyl Acetate
 Concen: 90.83 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906MBSD01

Tot Ion	43	Resp	928545
Ion Ratio	100	Lower	Upper
43	100		
86	11.7	8.9	13.3

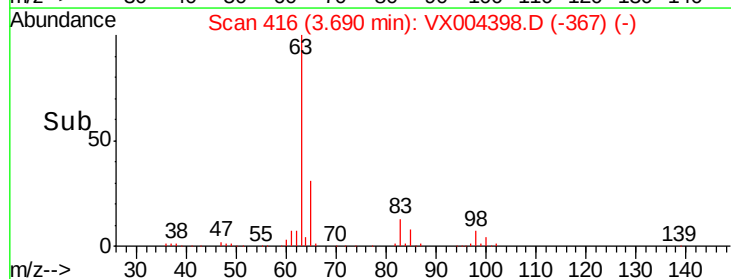
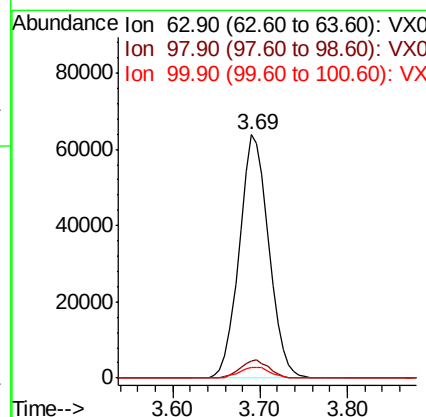
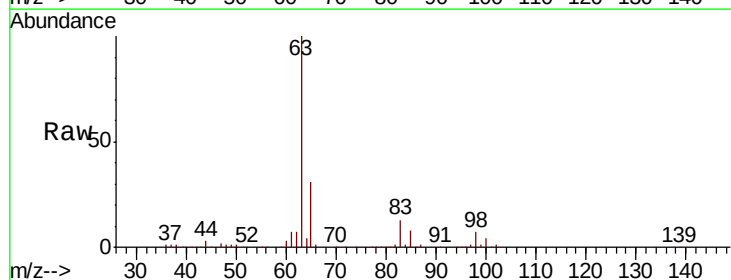
Manual Integrations
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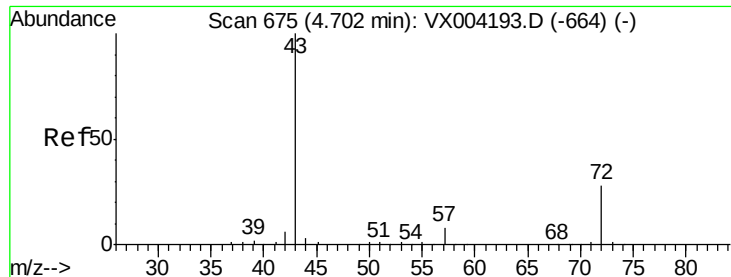
MMDadoda
 9/7/2018 1:42:55 PM



#24
 1,1-Dichloroethane
 Concen: 20.35 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Tgt Ion	63	Resp	149605
Ion Ratio	100	Lower	Upper
63	100		
98	7.1	3.5	10.4
100	4.3	2.4	7.1





#25

2-Butanone

Concen: 104.23 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Instrument :

MSVOA_X

ClientSampleId :

VX0906MBS01

Tot Ion: 43 Resp: 320978

Ion Ratio Lower Upper

43 100

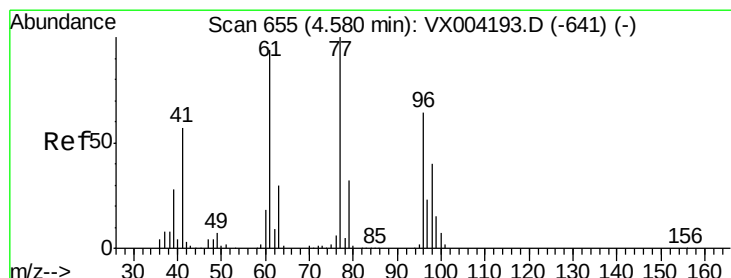
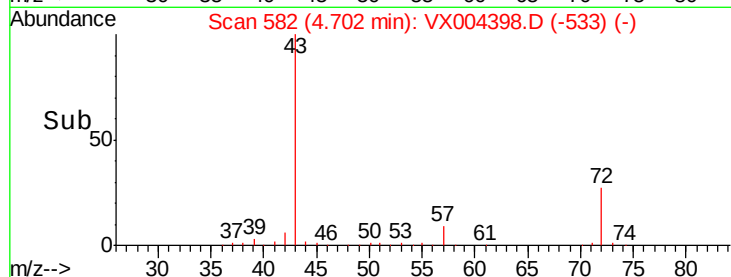
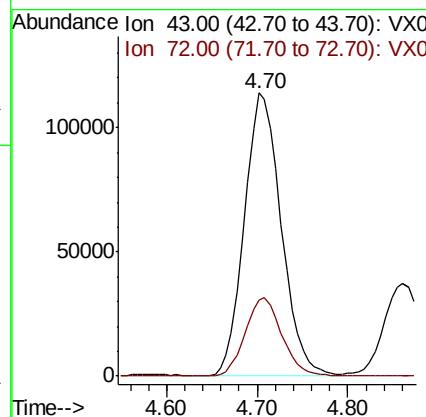
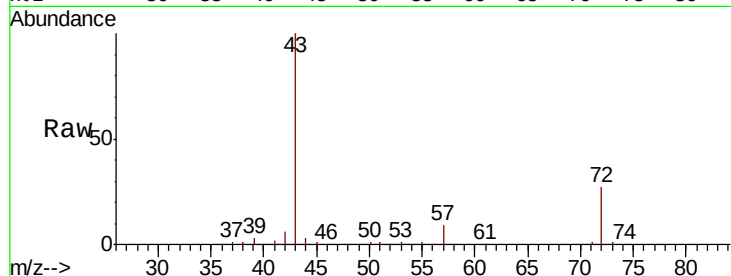
72 26.8 22.0 33.0

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 14.53 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004398.D

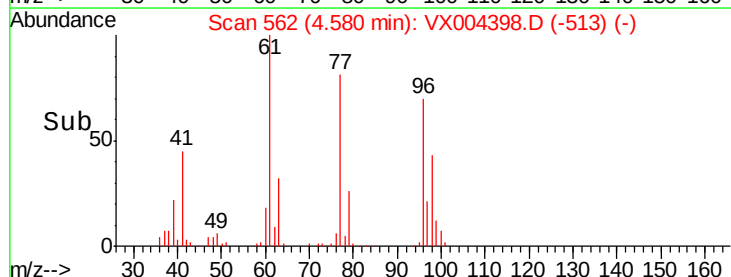
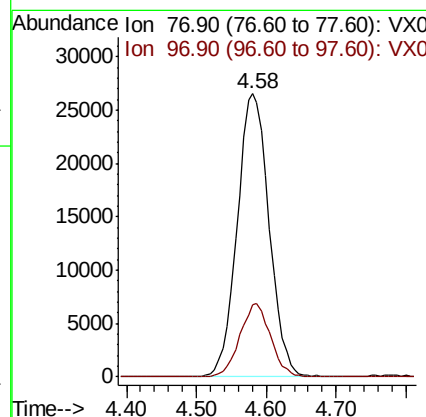
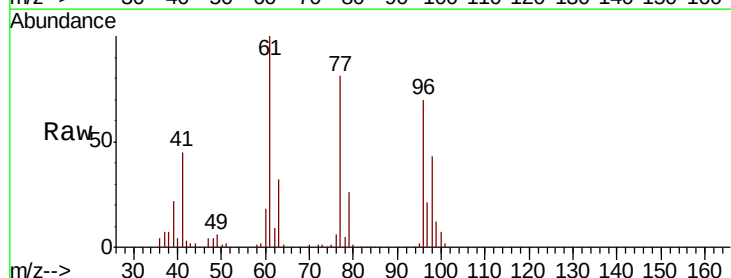
Acq: 06 Sep 2018 21:07

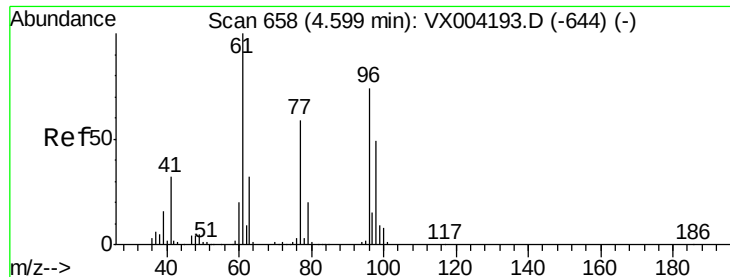
Tgt Ion: 77 Resp: 83754

Ion Ratio Lower Upper

77 100

97 25.0 11.7 35.0





#27

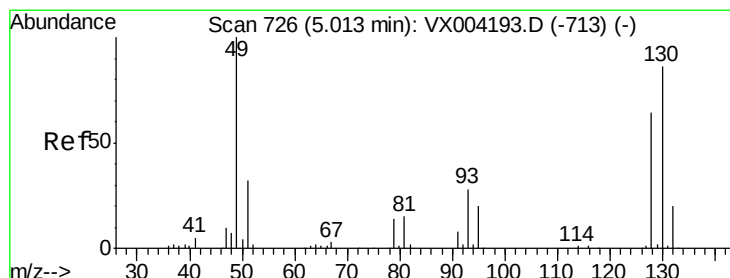
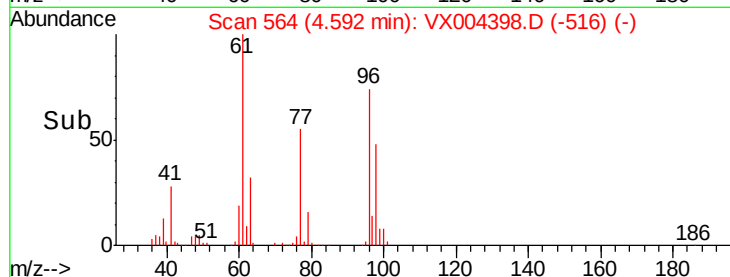
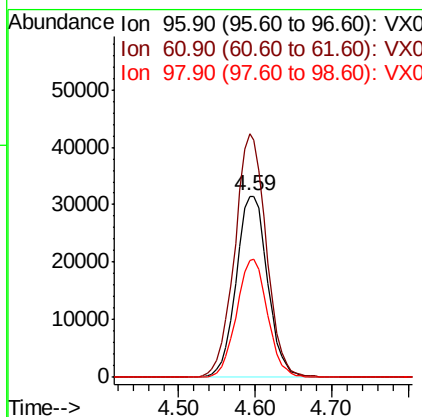
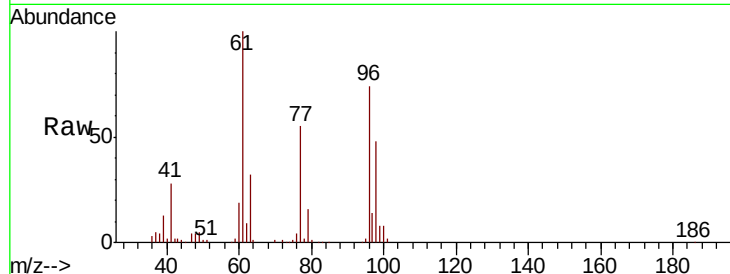
cis-1,2-Dichloroethene
 Concen: 19.34 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.6	0.0	282.6
98	64.5	0.0	130.2

Manual Integrations
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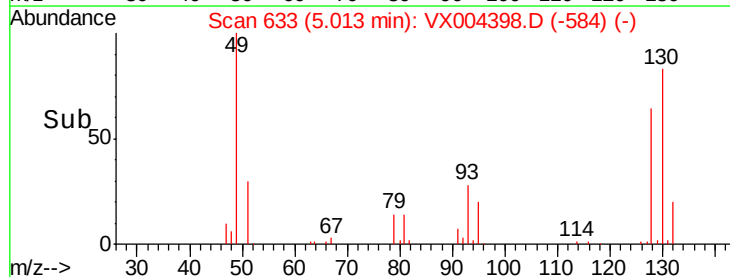
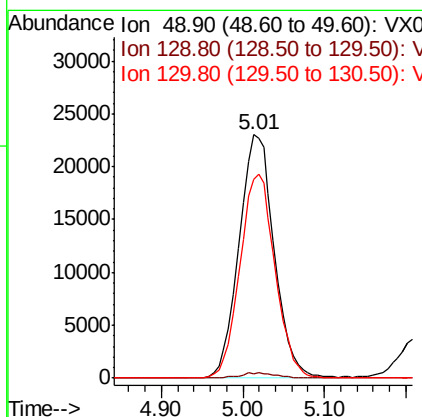
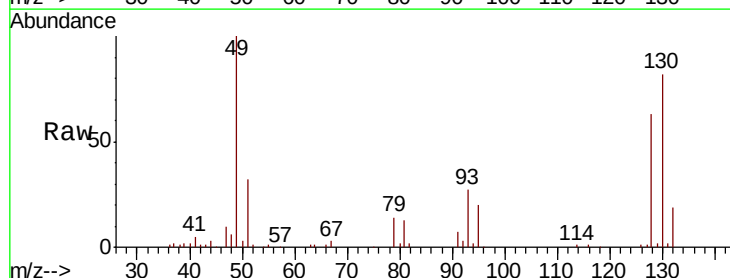
MMDadoda
 9/7/2018 1:42:55 PM

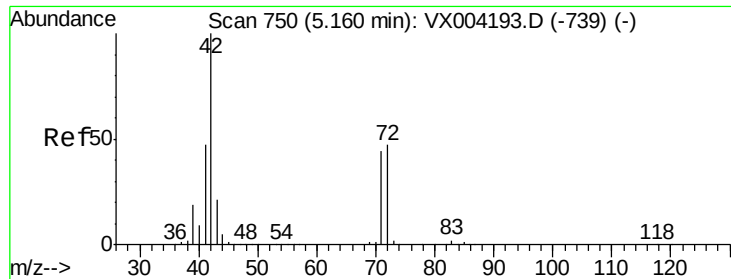


#28

Bromochloromethane
 Concen: 21.19 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	83.5	67.5	101.3





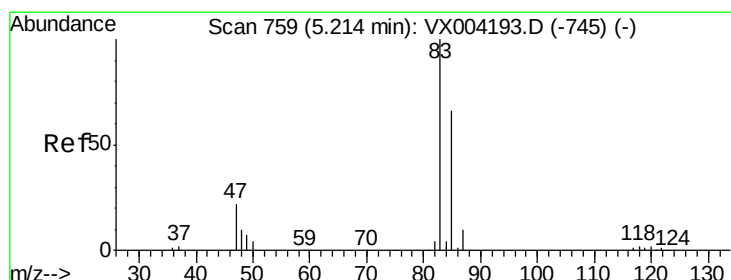
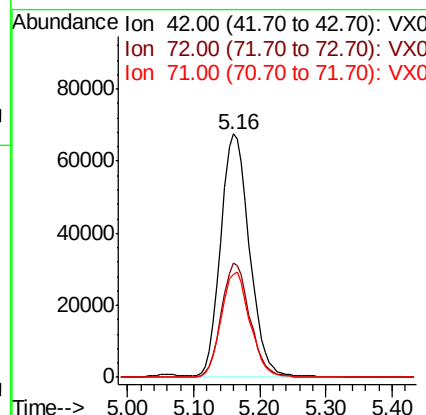
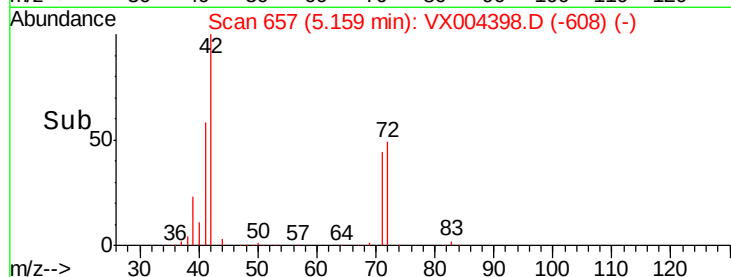
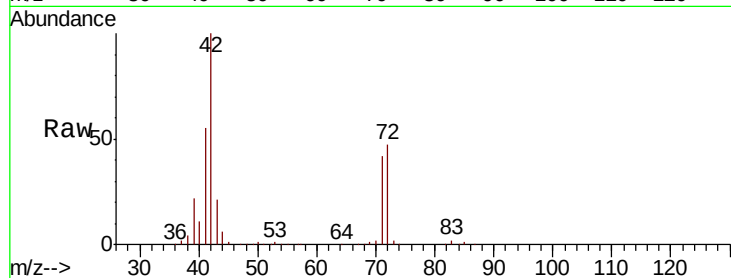
#29
Tetrahydrofuran
Concen: 104.96 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Instrument :
MSVOA_X
ClientSampleId :
VX0906MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.4	56.0
71	43.3	34.5	51.7

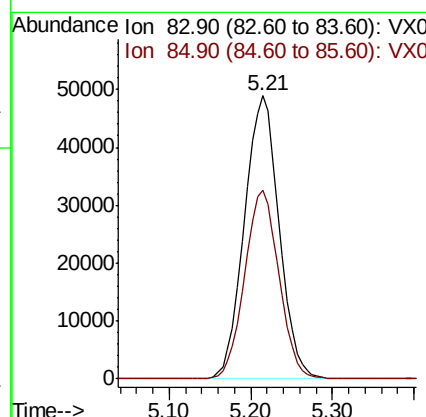
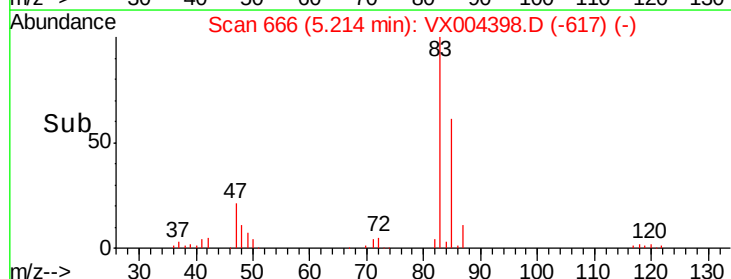
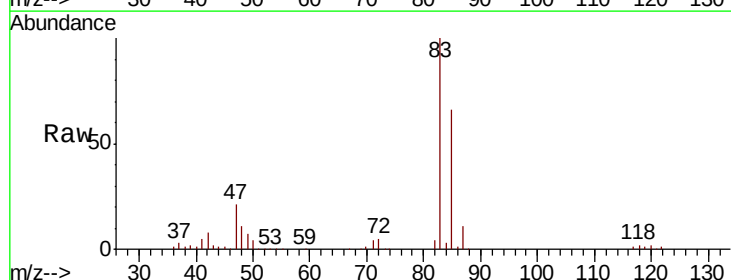
Manual Integrations
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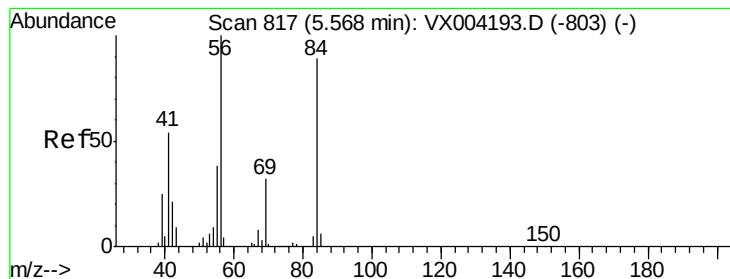
MMDadoda
9/7/2018 1:42:55 PM



#30
Chloroform
Concen: 19.64 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.6	79.0





#31

Cyclohexane

Concen: 18.71 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Instrument :

MSVOA_X

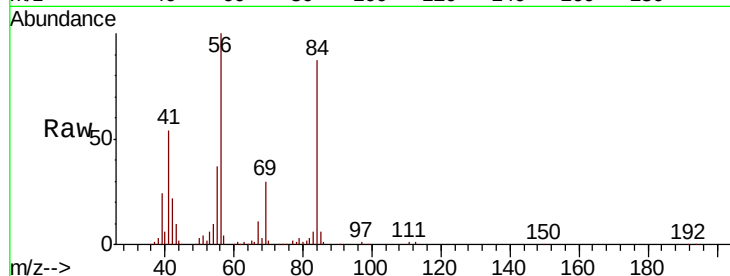
ClientSampleId :

VX0906MBSD01

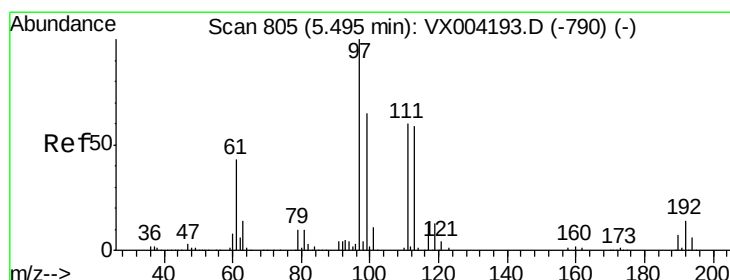
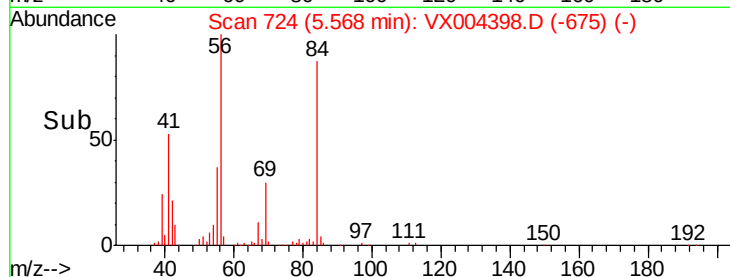
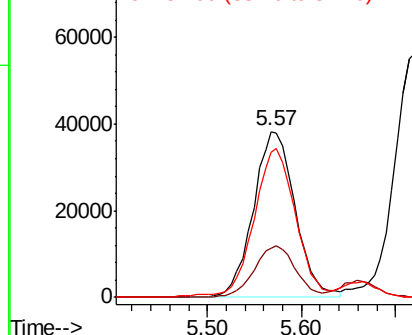
Tot Ion:	56	Resp:	118699
Ion	Ratio	Lower	Upper
56	100		
69	29.6	25.4	38.2
84	86.1	71.4	107.2

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.11 ug/l

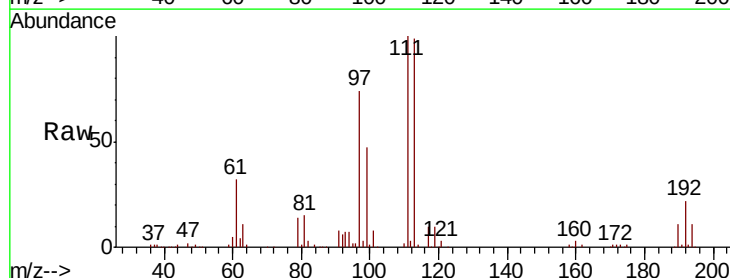
RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

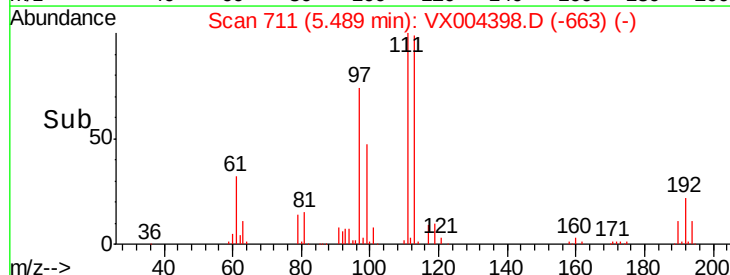
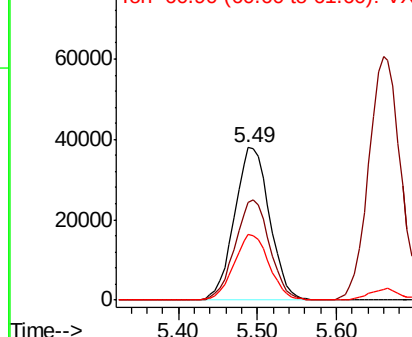
Lab File: VX004398.D

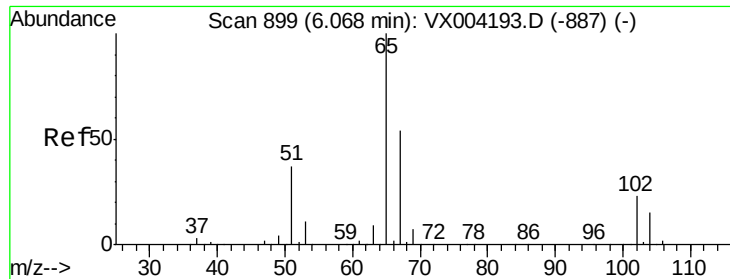
Acq: 06 Sep 2018 21:07

Tgt Ion:	97	Resp:	117426
Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.0	78.0
61	43.2	34.9	52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





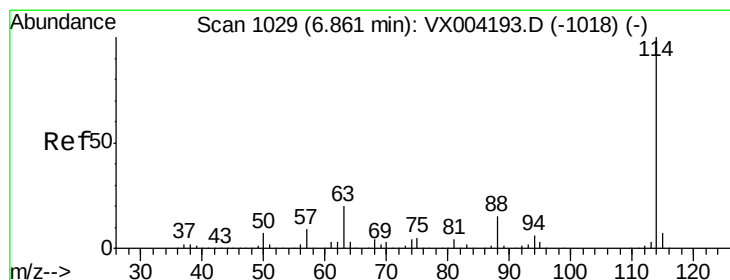
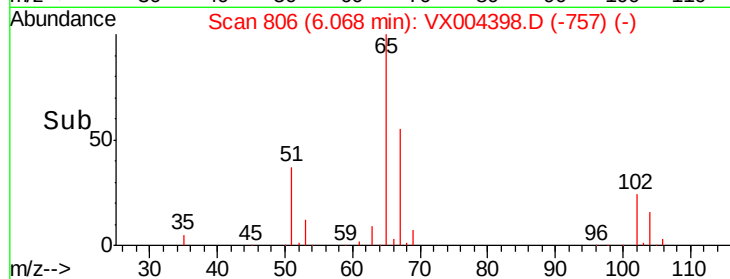
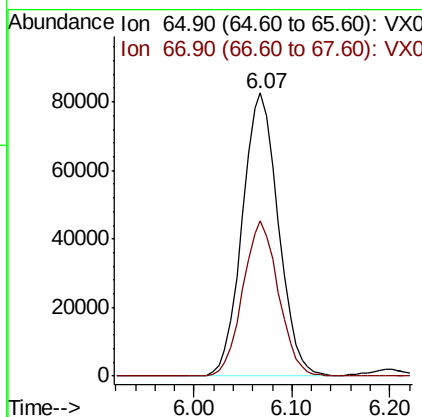
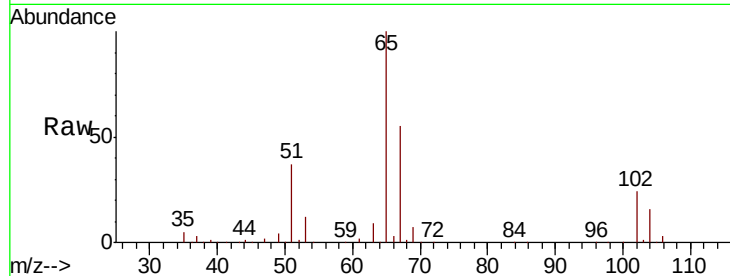
#33
 1,2-Dichloroethane-d4
 Concen: 46.73 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906MBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	106.8

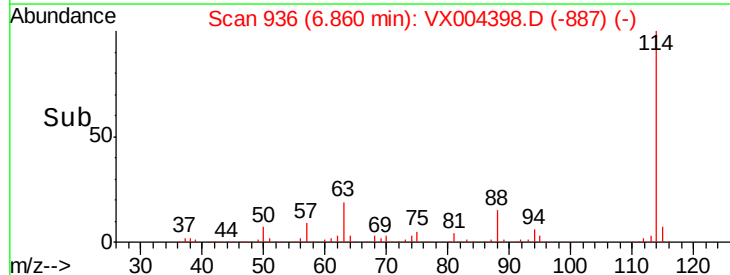
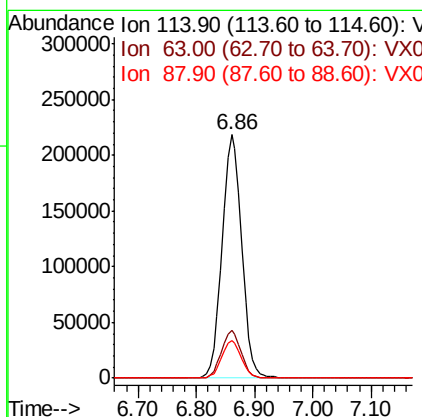
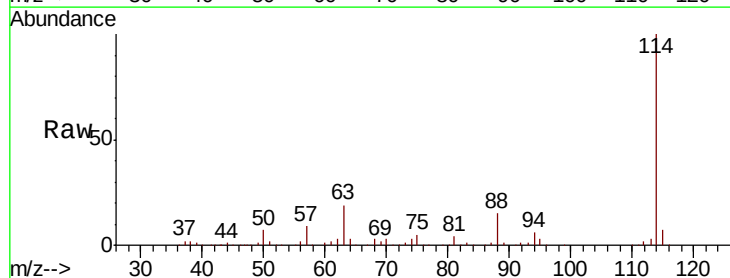
Manual Integrations
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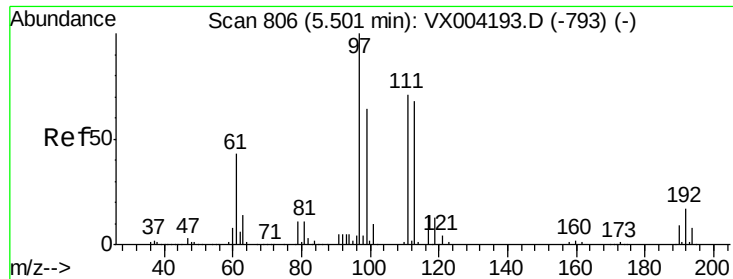
MMDadoda
 9/7/2018 1:42:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.0
88	15.2	0.0	30.4





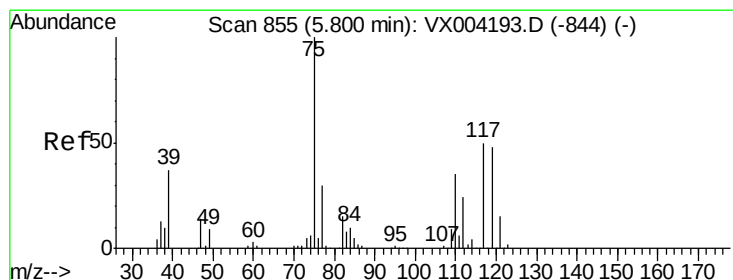
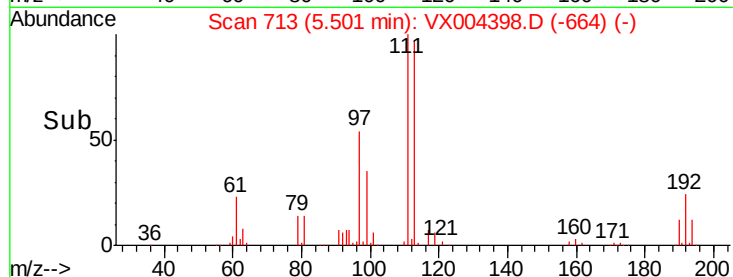
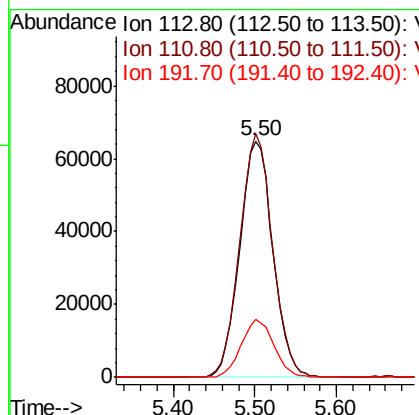
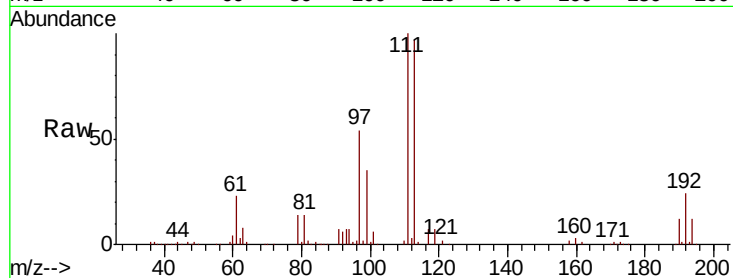
#35
 Dibromofluoromethane
 Concen: 48.28 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	183216		
111	101.9	82.4	123.6	
192	24.2	19.4	29.2	

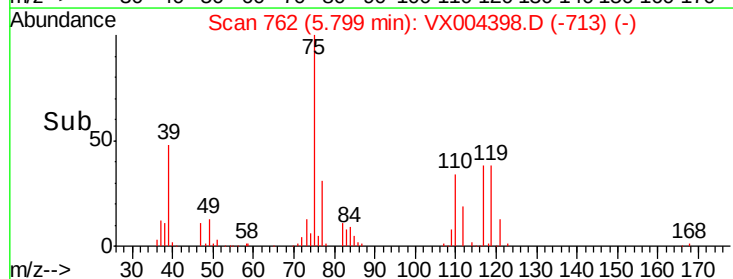
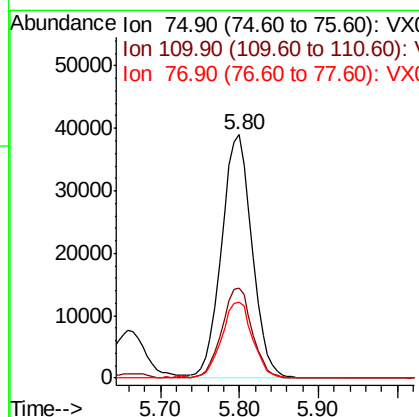
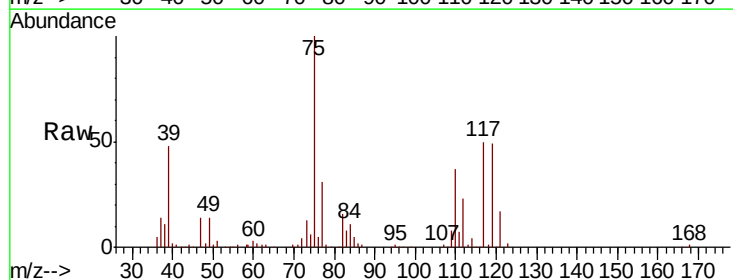
Manual Integrations
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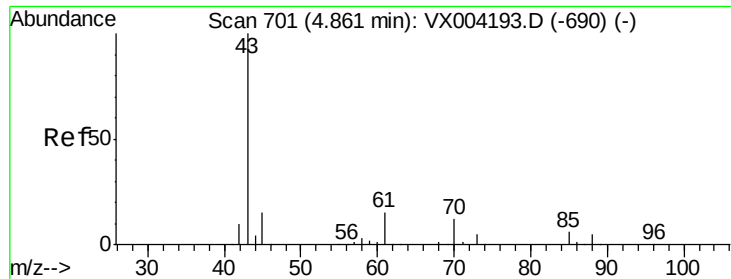
MMDadoda
 9/7/2018 1:42:55 PM



#36
 1,1-Dichloropropene
 Concen: 18.38 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	105400		
110	36.9	18.0	54.0	
77	31.6	24.6	36.8	





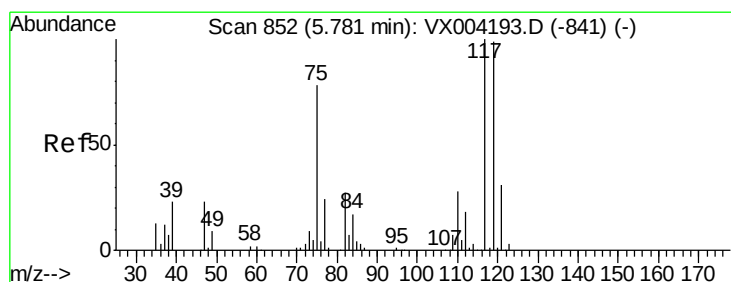
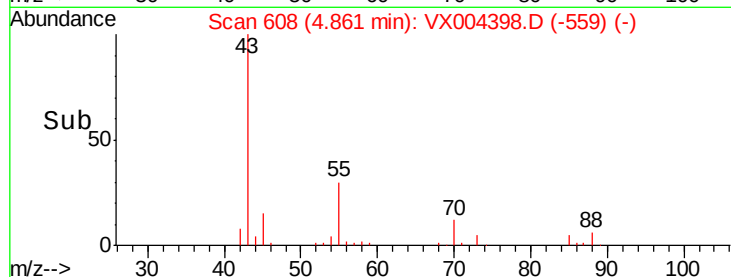
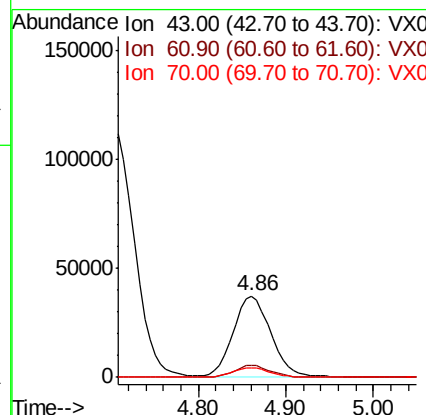
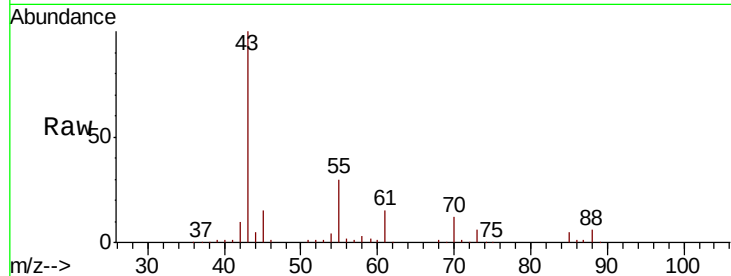
#37
Ethyl Acetate
Concen: 19.65 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Instrument :
MSVOA_X
ClientSampleId :
VX0906MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	11.8	9.0	13.6

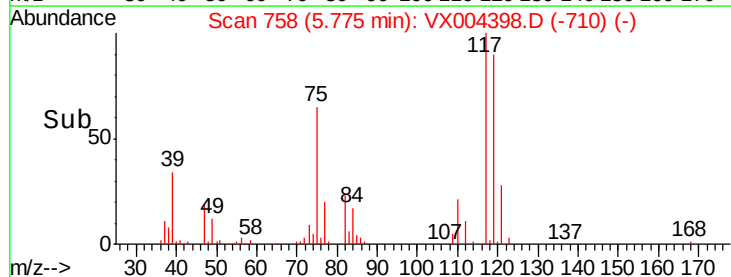
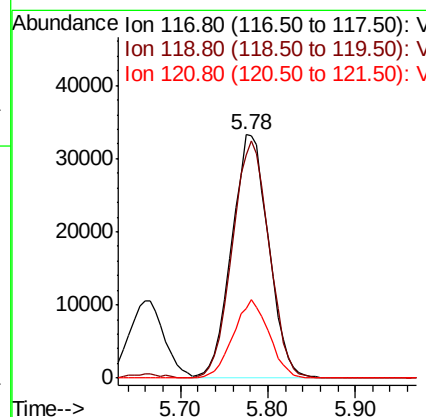
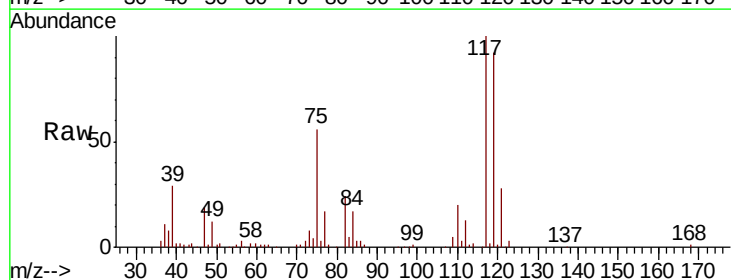
Manual Integrations
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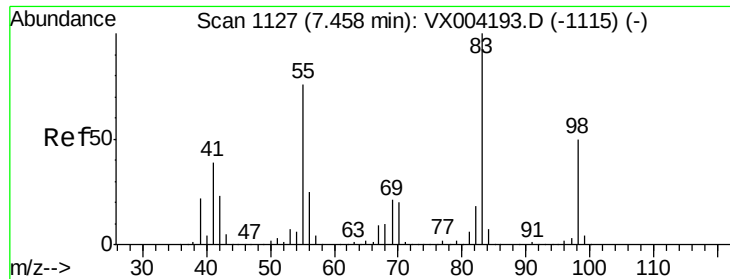
MMDadoda
9/7/2018 1:42:55 PM



#38
Carbon Tetrachloride
Concen: 18.14 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	78.8	118.2
121	28.4	24.9	37.3





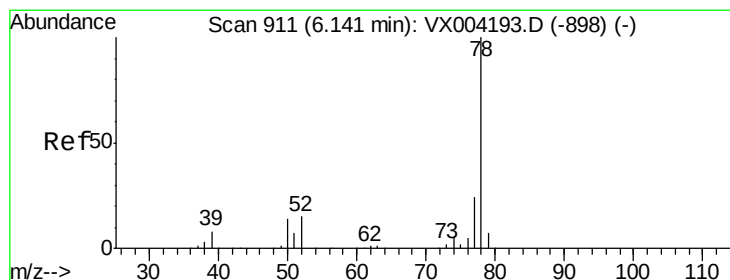
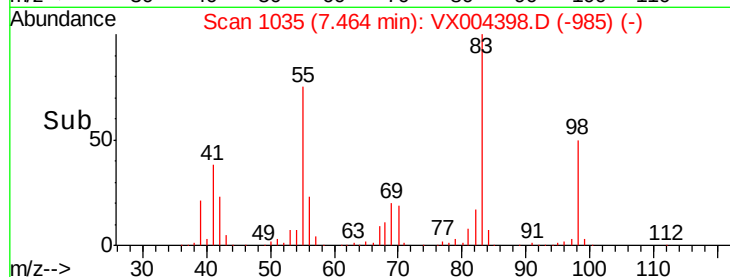
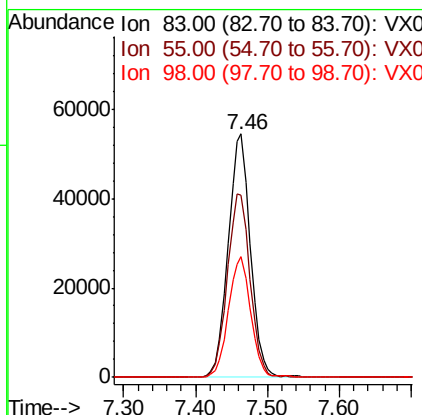
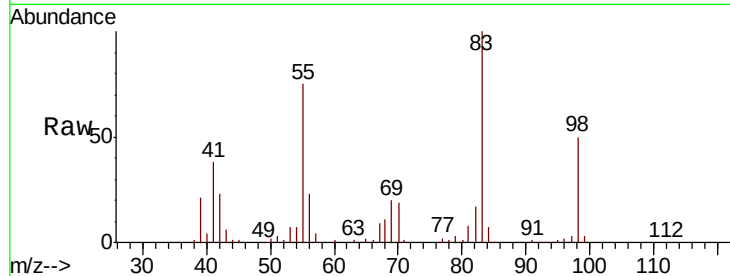
#39
Methylvlcyclohexane
Concen: 17.94 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Instrument :
MSVOA_X
ClientSampleId :
VX0906MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.8	61.0	91.4	
98	49.7	39.6	59.4	

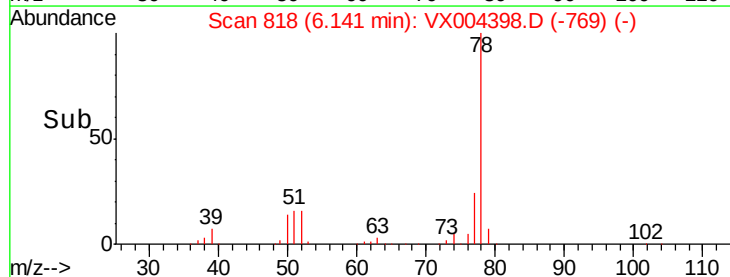
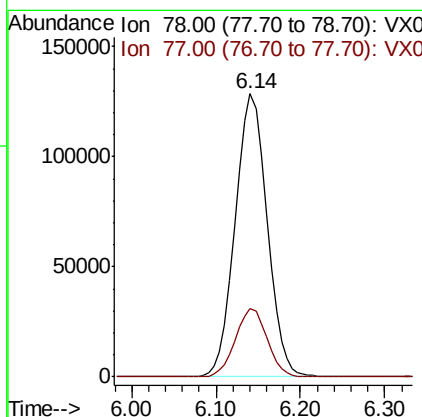
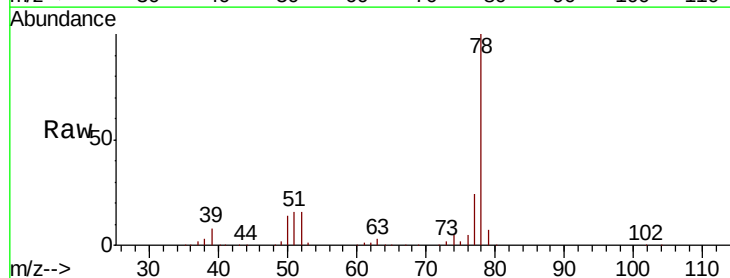
Manual Integrations
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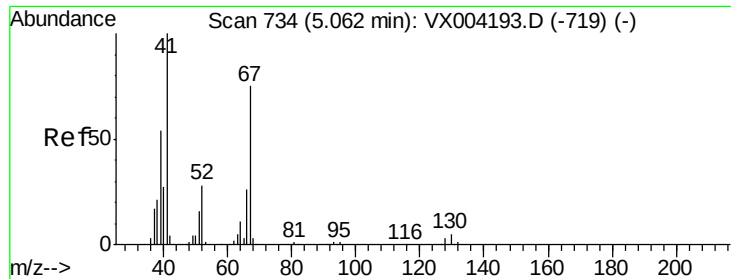
MMDadoda
9/7/2018 1:42:55 PM



#40
Benzene
Concen: 19.28 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.0	19.0	28.4	





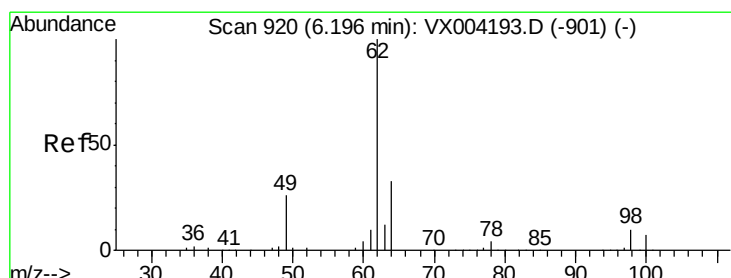
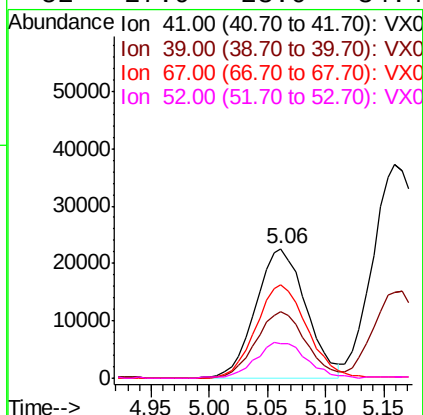
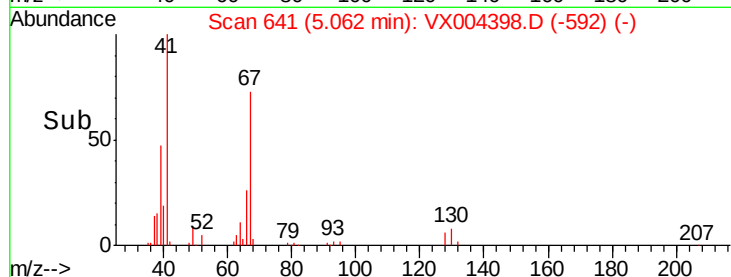
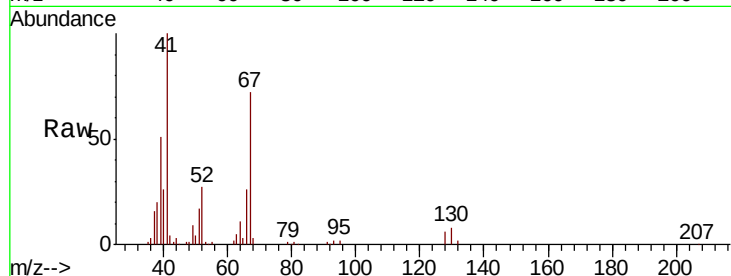
#41
Methacrylonitrile
Concen: 20.52 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Instrument :
MSVOA_X
ClientSampleId :
VX0906MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	42.4	63.6	
67	74.3	59.2	88.8	
52	27.9	23.0	34.4	

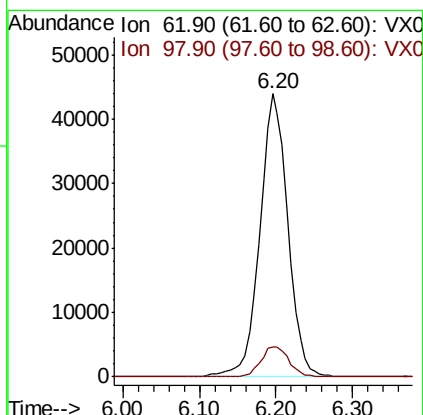
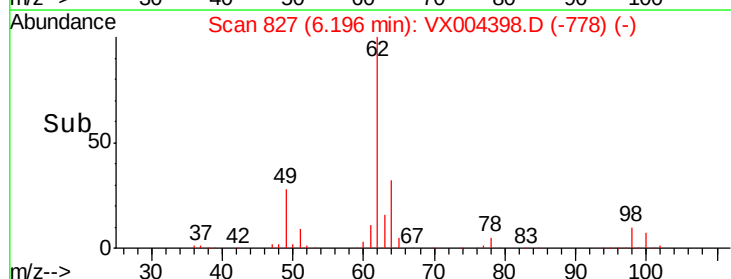
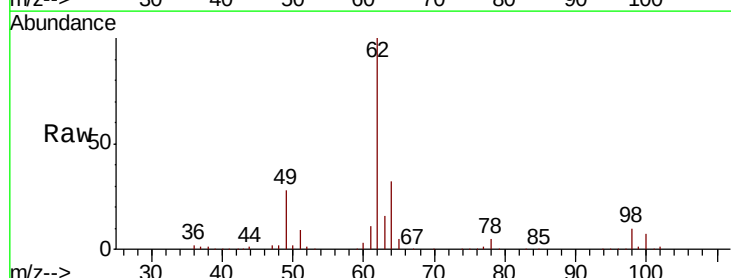
Manual Integrations
APPROVED

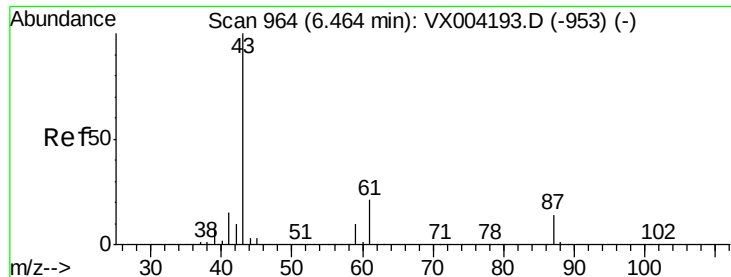
MMDadoda
9/7/2018 1:42:55 PM



#42
1,2-Dichloroethane
Concen: 19.16 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.8	0.0	20.6	





#43

Isopropyl Acetate

Concen: 20.02 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Instrument :

MSVOA_X

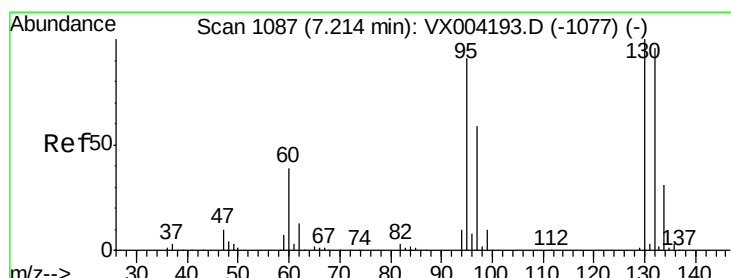
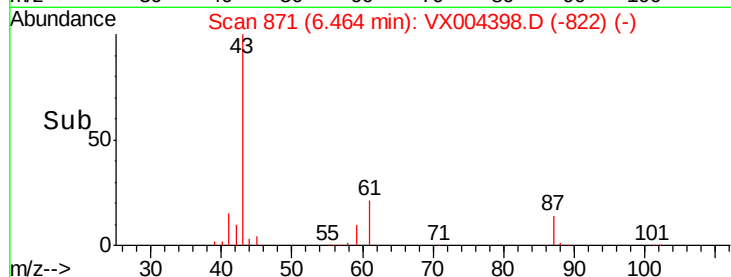
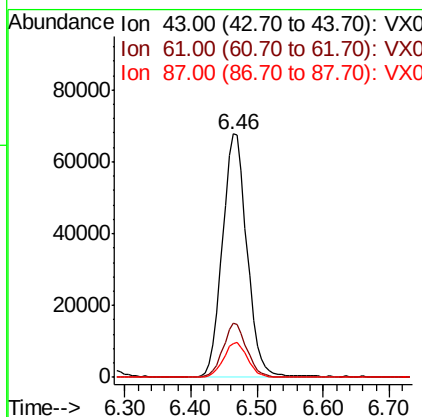
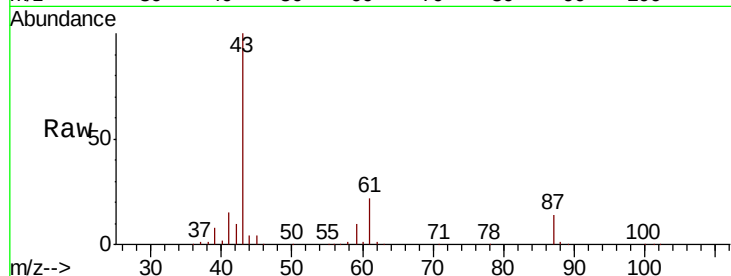
ClientSampleId :

VX0906MBSD01

Tot Ion:	43	Resp:	173480
Ion	Ratio	Lower	Upper
43	100		
61	21.5	17.0	25.4
87	14.1	11.4	17.2

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#44

Trichloroethene

Concen: 19.09 ug/l

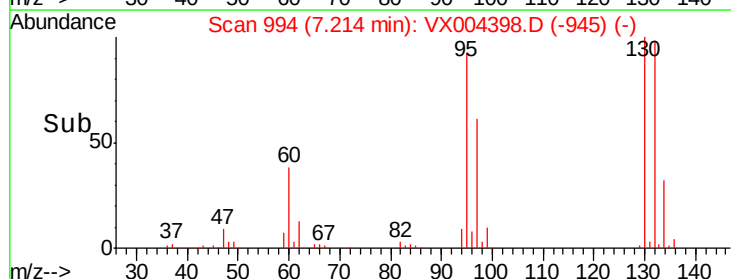
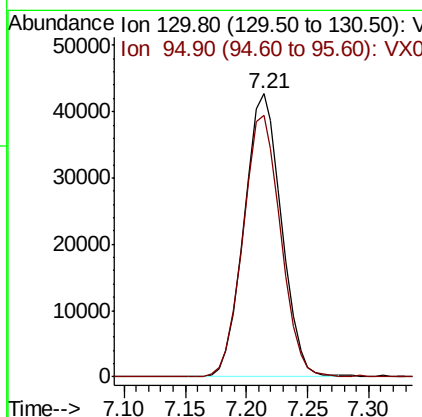
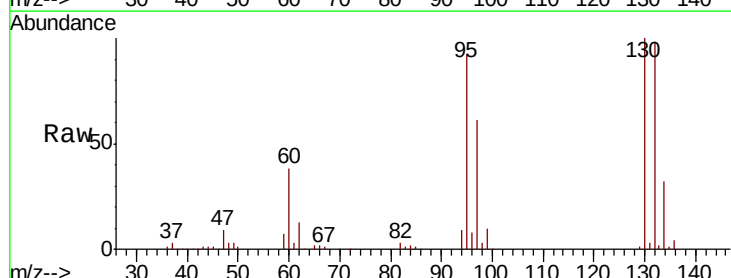
RT: 7.21 min Scan# 994

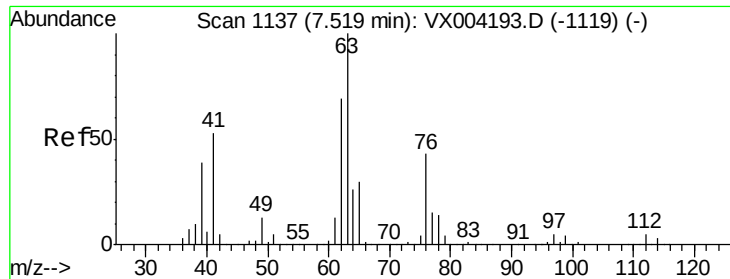
Delta R.T. -0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Tgt Ion:	130	Resp:	90540
Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	181.6





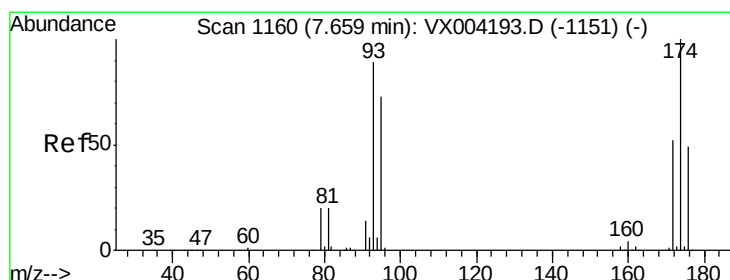
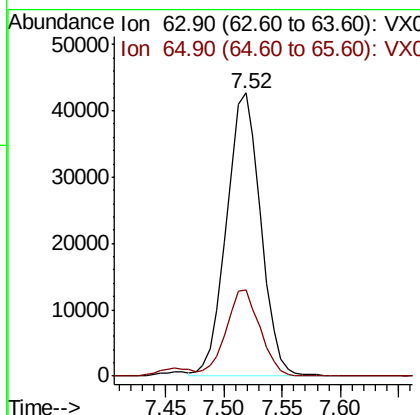
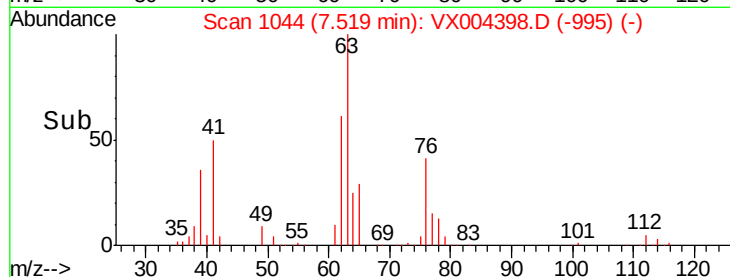
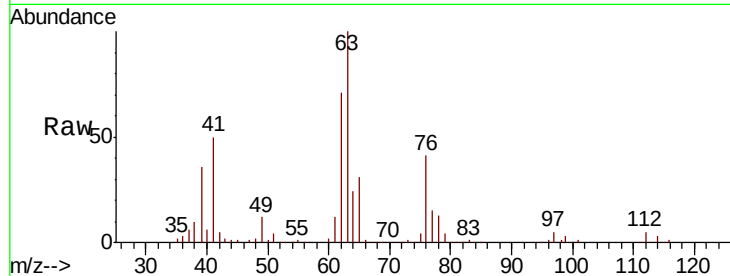
#45
 1,2-Dichloropropane
 Concen: 20.18 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906MBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.3	36.5

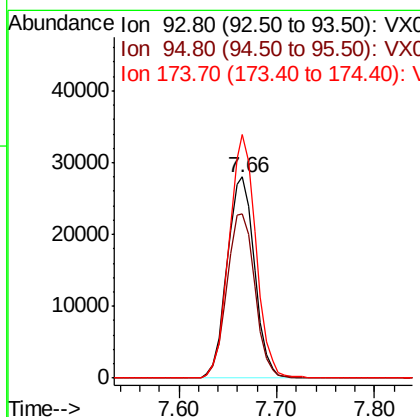
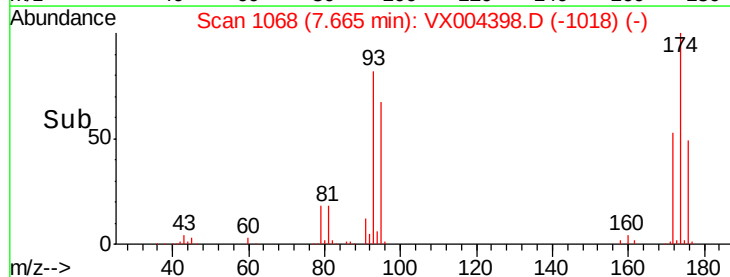
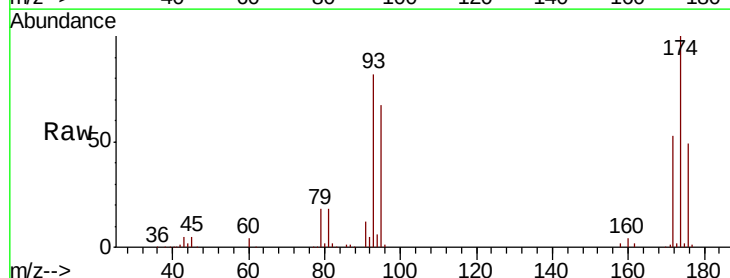
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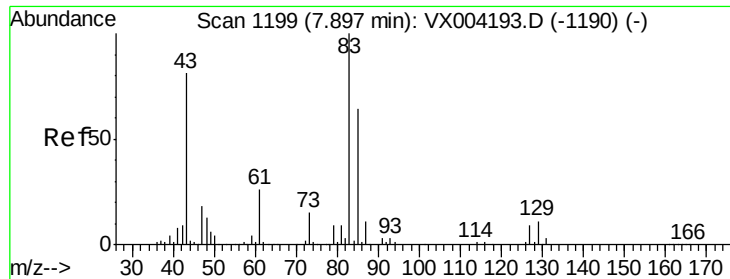
MMDadoda
 9/7/2018 1:42:55 PM



#46
 Dibromomethane
 Concen: 19.07 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	65.5	98.3
174	118.3	94.2	141.4





#47

Bromodichloromethane

Concen: 18.75 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Instrument :

MSVOA_X

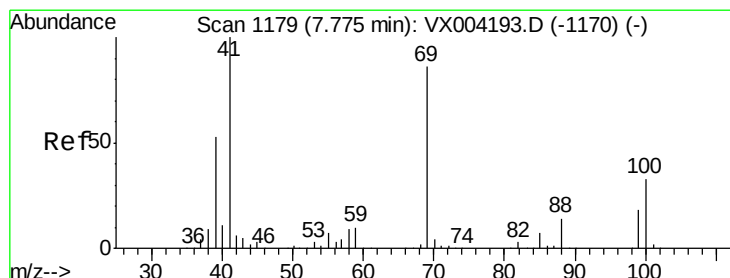
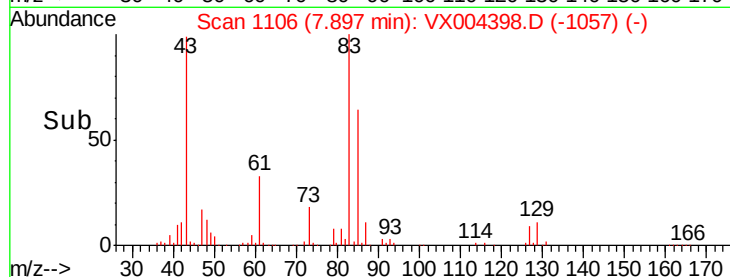
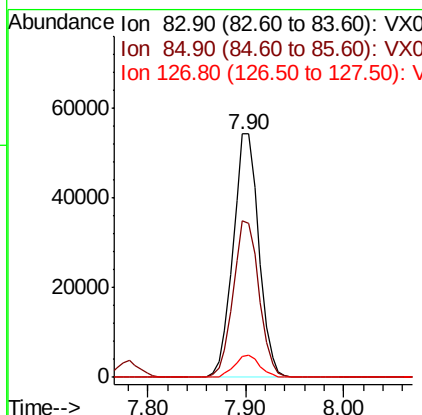
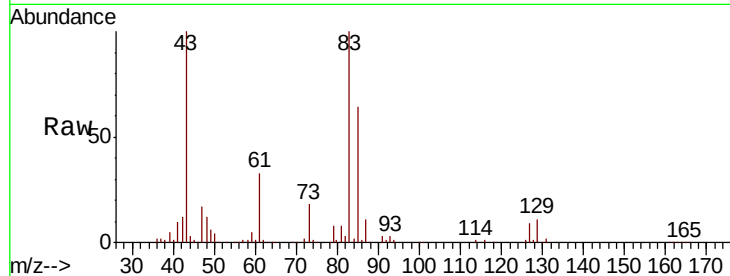
ClientSampleId :

VX0906MBSD01

Tot Ion:	83	Resp:	99636
Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.9	76.3
127	8.6	7.3	10.9

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#48

Methyl methacrylate

Concen: 20.03 ug/l

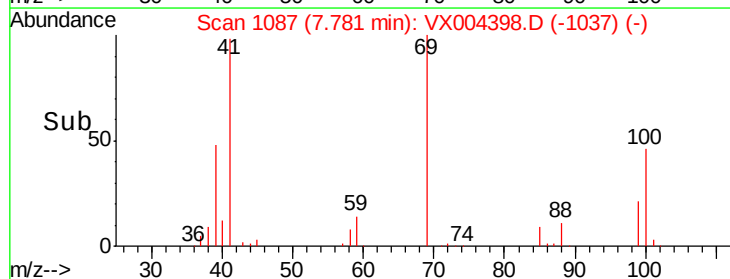
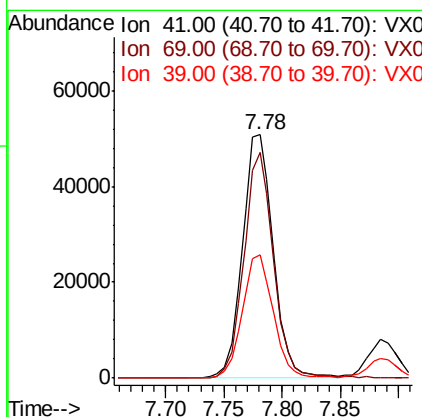
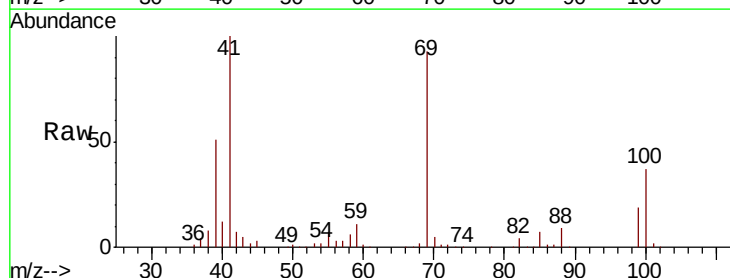
RT: 7.78 min Scan# 1087

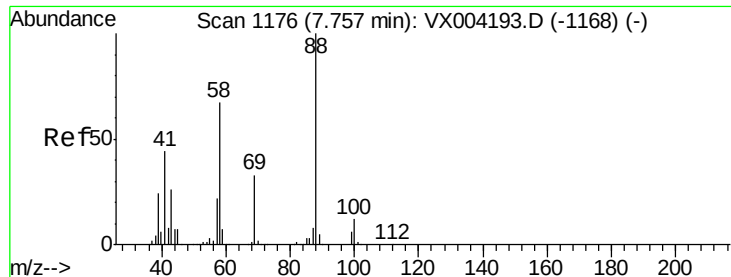
Delta R.T. 0.01 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Tgt Ion:	41	Resp:	92857
Ion	Ratio	Lower	Upper
41	100		
69	90.1	70.2	105.4
39	51.6	42.7	64.1





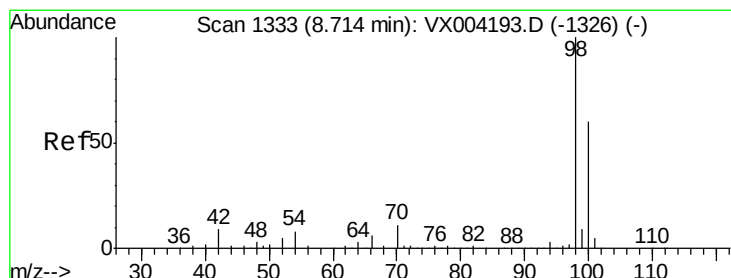
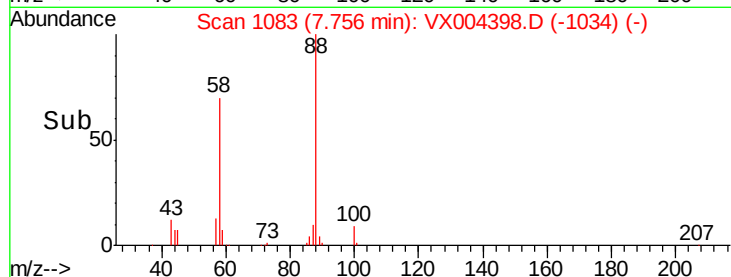
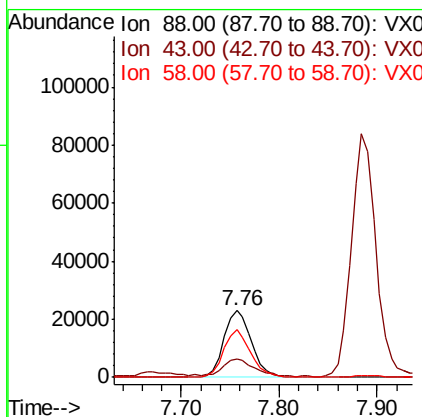
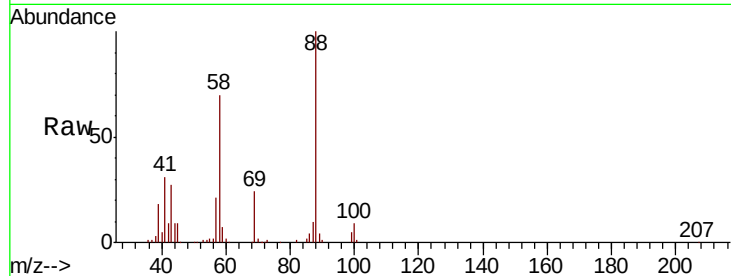
#49
1,4-Dioxane
Concen: 425.03 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Instrument :
MSVOA_X
ClientSampleId :
VX0906MBSD01

Tot Ion	88	Resp	44746
Ion	Ratio	Lower	Upper
88	100		
43	30.3	24.7	37.1
58	69.9	55.3	82.9

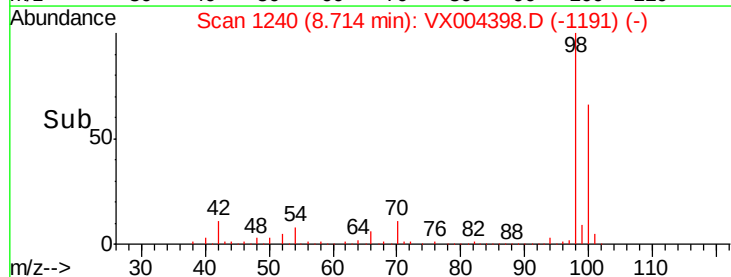
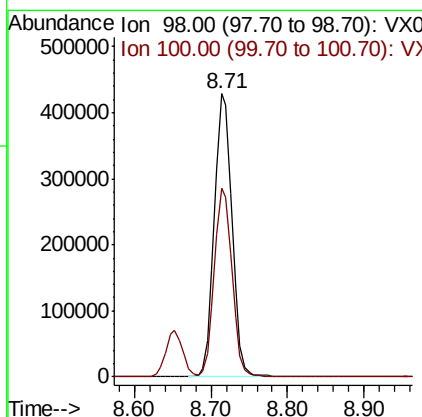
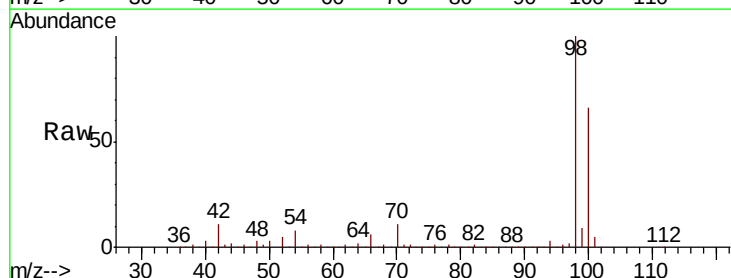
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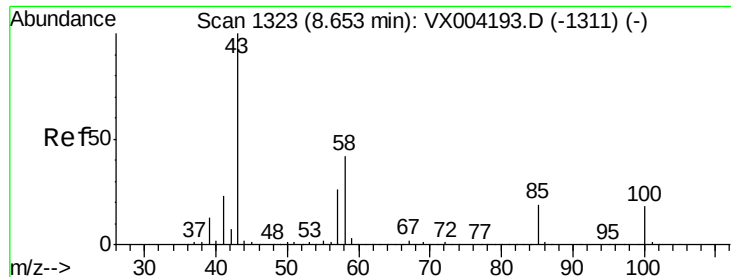
MMDadoda
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#50
Toluene-d8
Concen: 48.05 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Tgt Ion	98	Resp	688265
Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.9	79.3





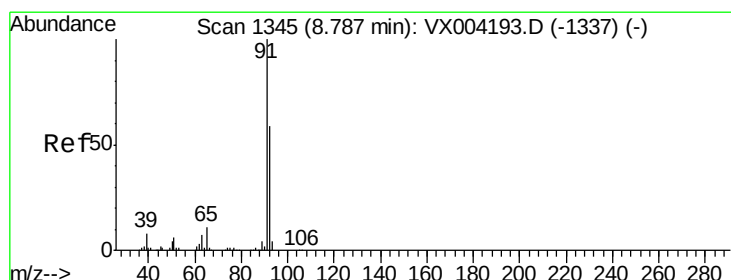
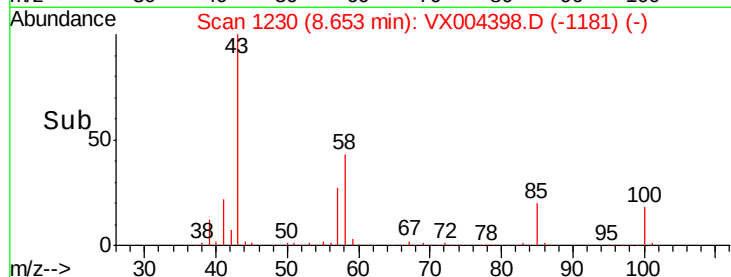
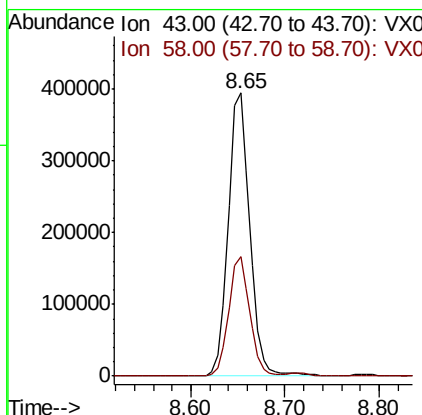
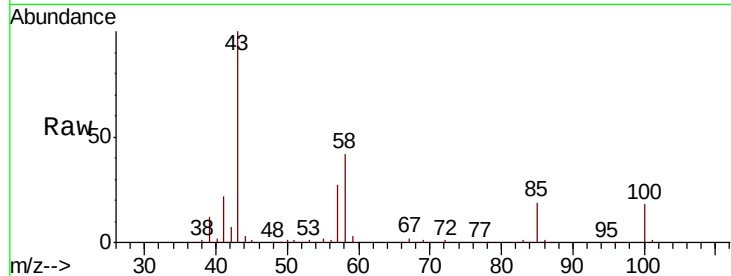
#51
4-Methyl-2-Pentanone
Concen: 99.18 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Instrument :
MSVOA_X
ClientSampleId :
VX0906MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.3	33.1	49.7

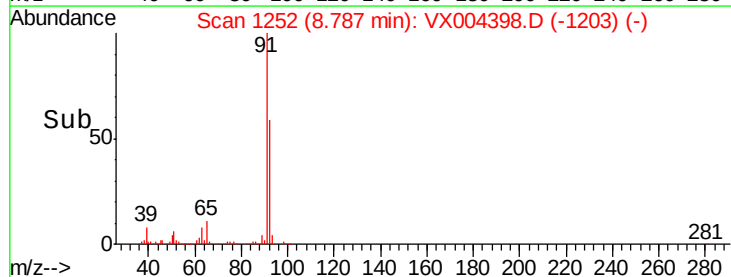
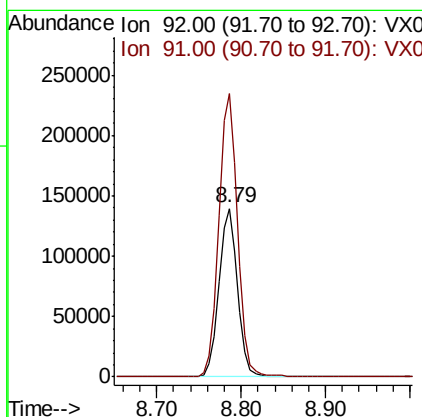
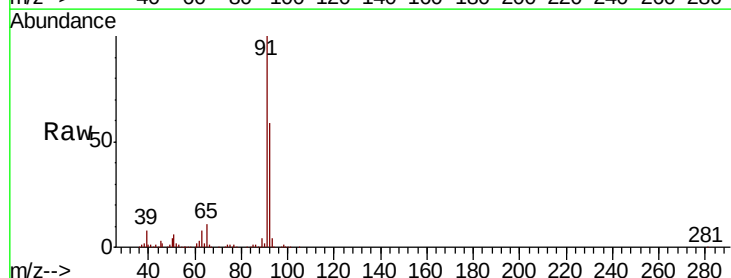
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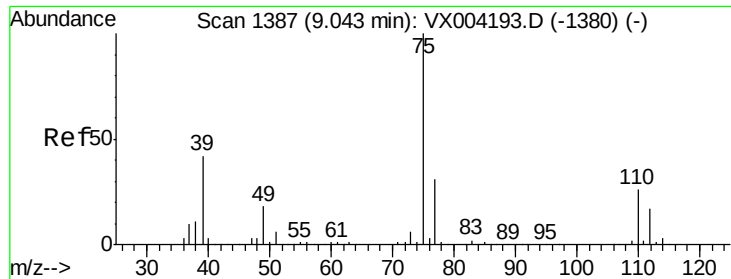
MMDadoda
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#52
Toluene
Concen: 19.85 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.8	136.4	204.6





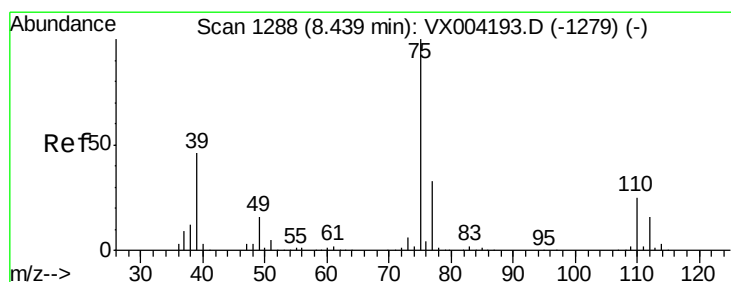
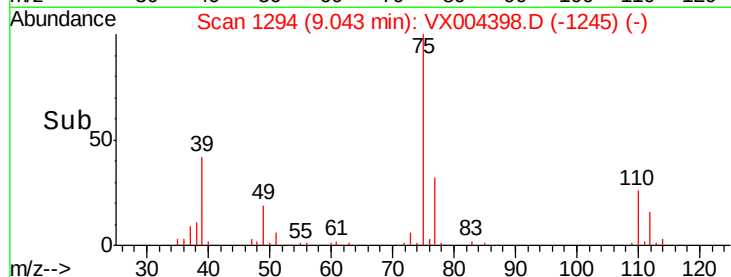
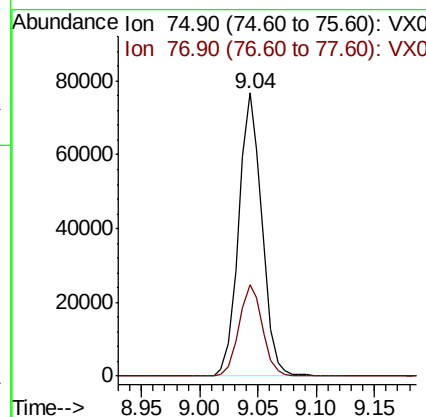
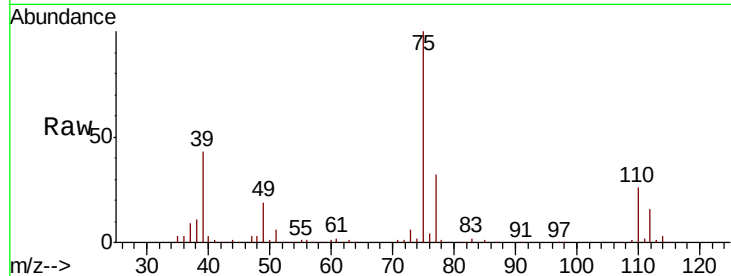
#53
t-1,3-Dichloropropene
Concen: 18.22 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Instrument :
MSVOA_X
ClientSampleId :
VX0906MBSD01

Tot Ion: 75 Resp: 106935
Ion Ratio Lower Upper
75 100
77 32.2 24.6 37.0

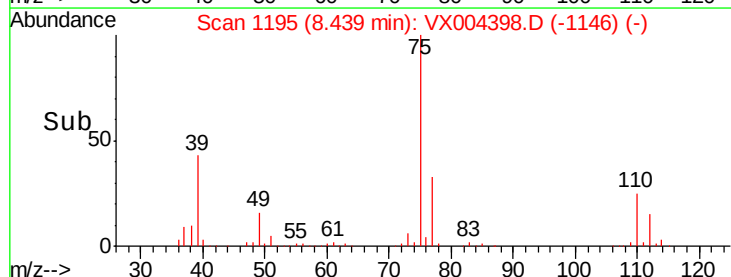
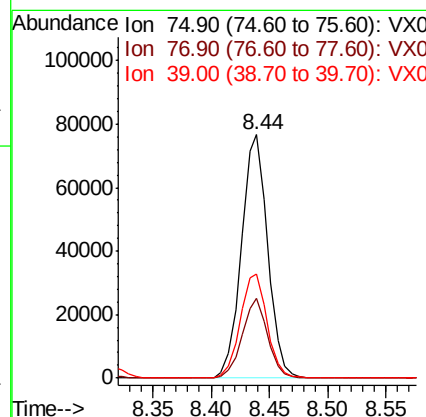
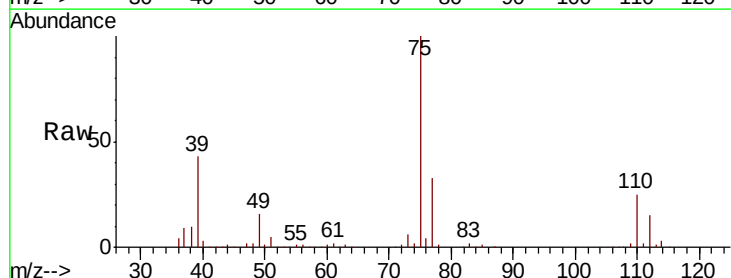
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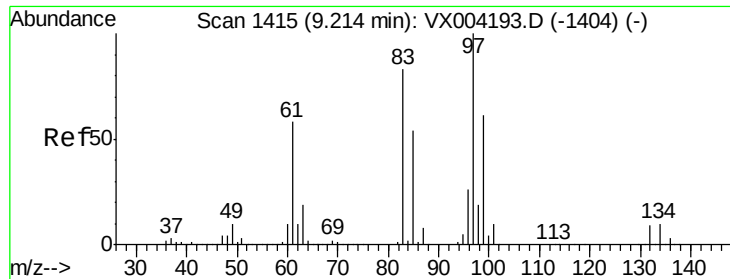
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.91 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Tgt Ion: 75 Resp: 120888
Ion Ratio Lower Upper
75 100
77 32.5 26.2 39.2
39 42.8 36.4 54.6





#55

1,1,2-Trichloroethane

Concen: 20.45 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Instrument :

MSVOA_X

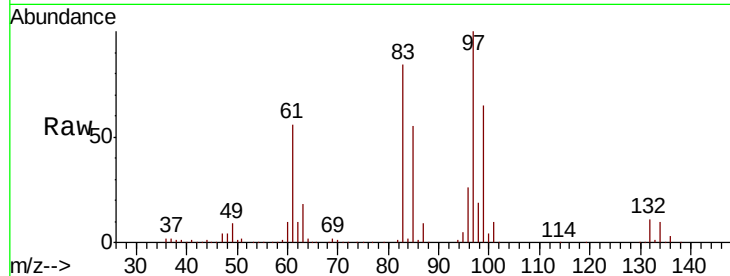
ClientSampleId :

VX0906MBSD01

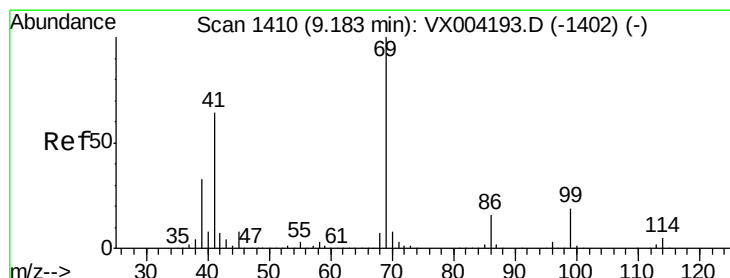
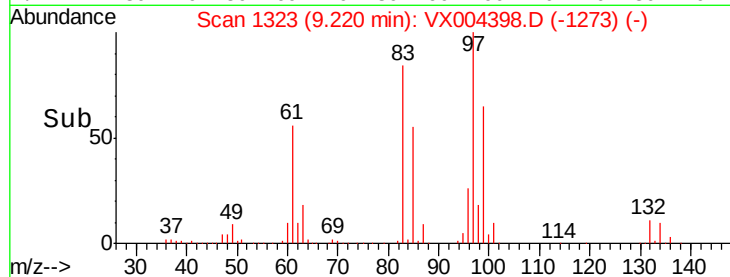
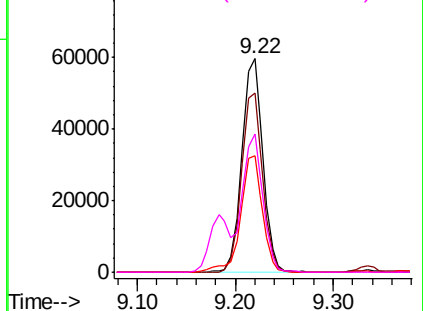
Tot Ion:	97	Resp:	88533
Ion	Ratio	Lower	Upper
97	100		
83	83.9	66.4	99.6
85	54.8	43.3	64.9
99	64.4	49.0	73.4

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Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 20.67 ug/l

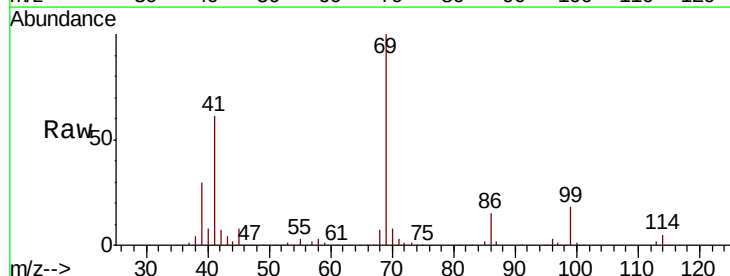
RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

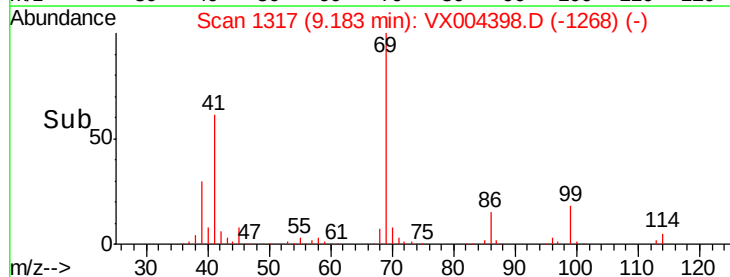
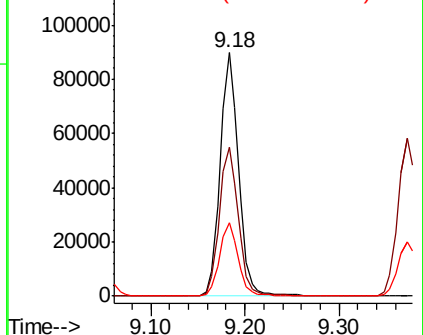
Lab File: VX004398.D

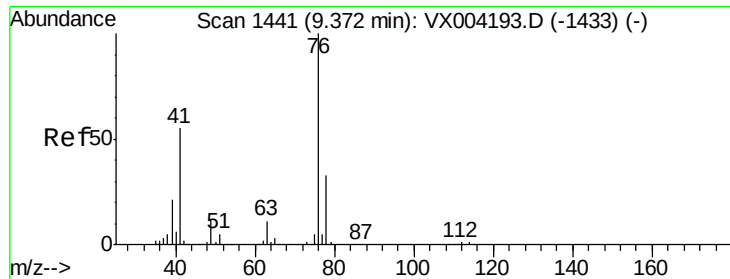
Acq: 06 Sep 2018 21:07

Tgt Ion:	69	Resp:	121812
Ion	Ratio	Lower	Upper
69	100		
41	63.0	51.0	76.4
39	30.1	26.1	39.1



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





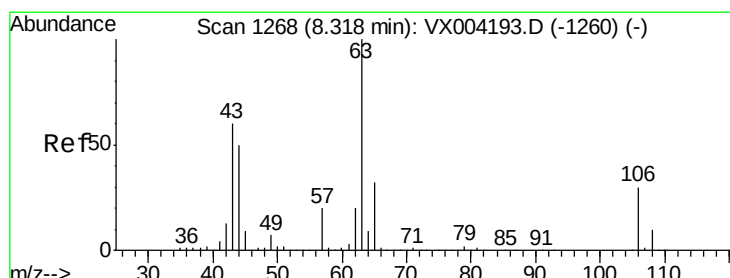
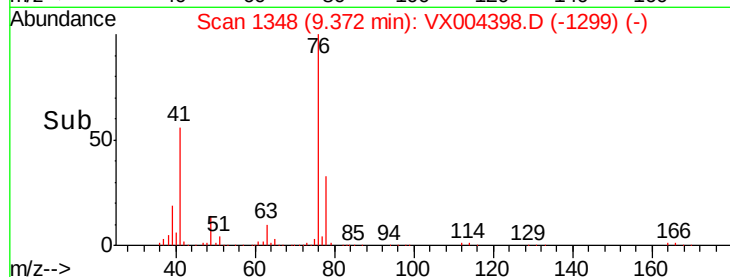
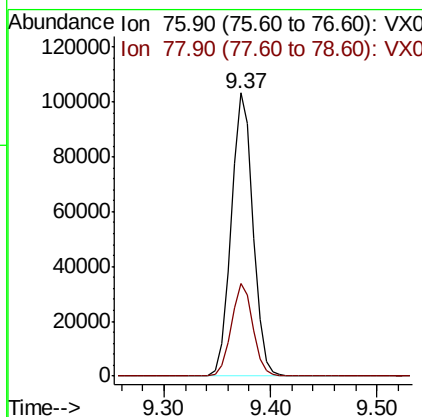
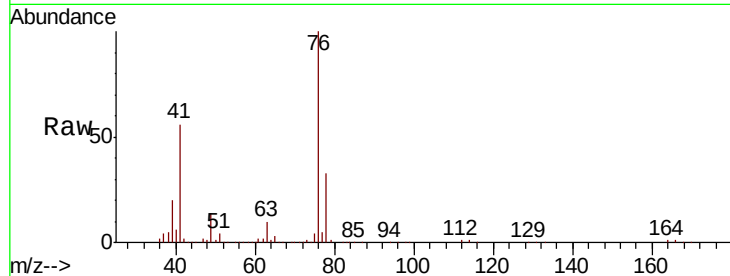
#57
 1,3-Dichloropropane
 Concen: 20.35 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3

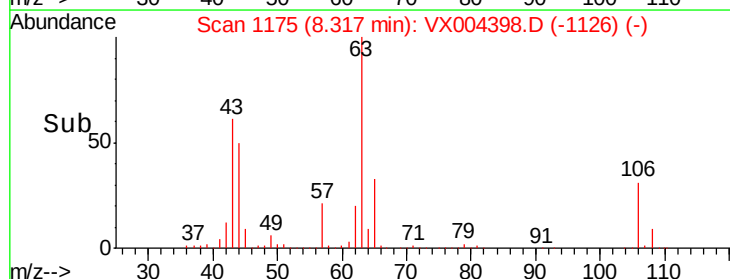
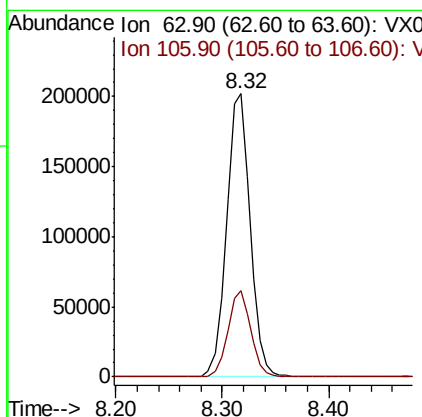
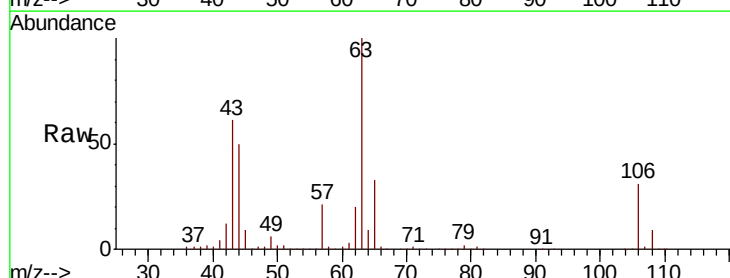
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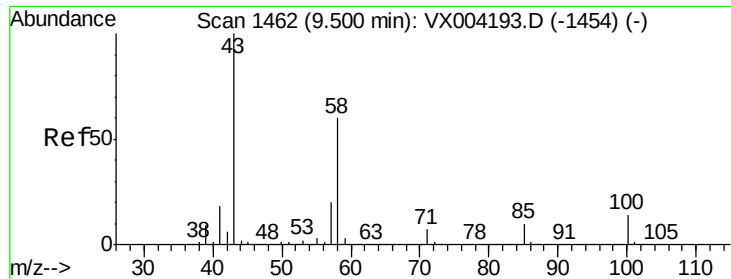
MMDadoda
 9/7/2018 1:42:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.61 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	23.9	35.9





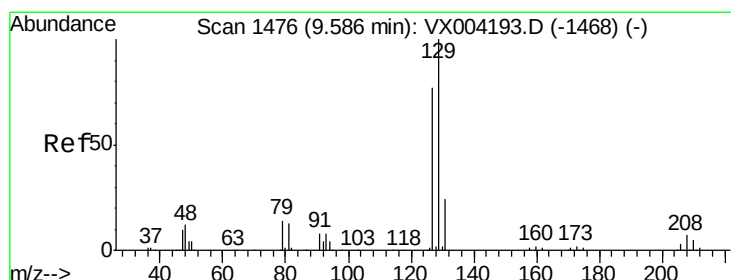
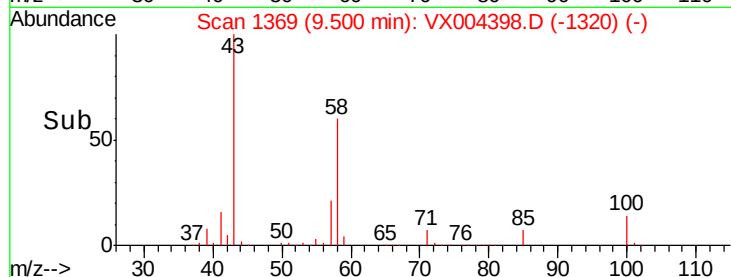
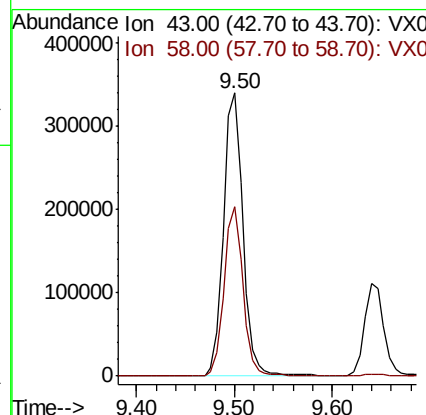
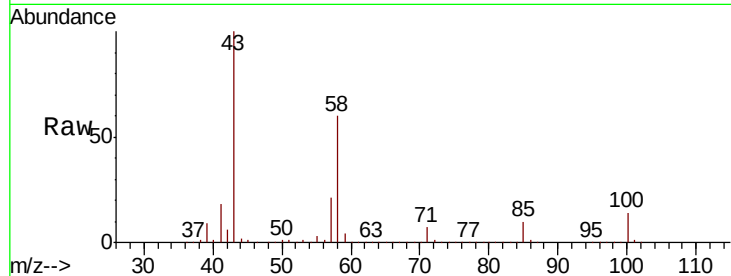
#59
2-Hexanone
Concen: 97.91 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Instrument :
MSVOA_X
ClientSampleId :
VX0906MBSD01

Tot Ion: 43 Resp: 470318
Ion Ratio Lower Upper
43 100
58 58.4 29.0 87.0

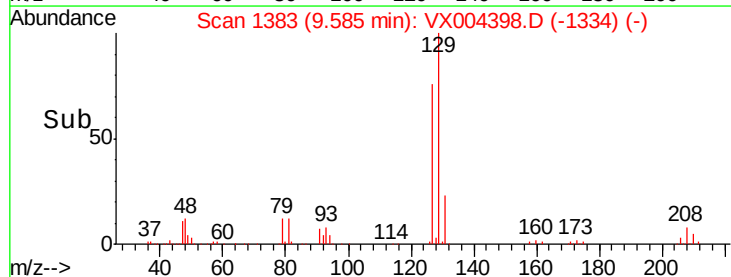
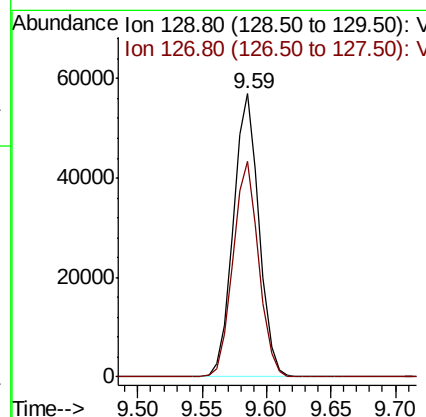
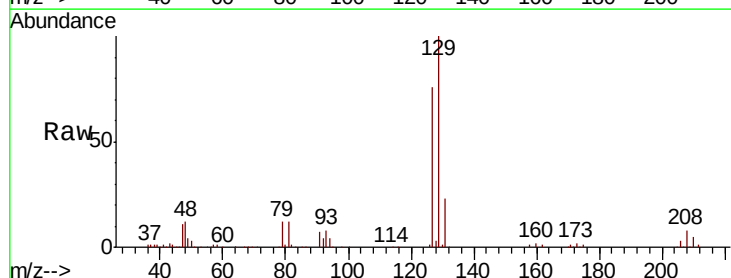
Manual Integrations
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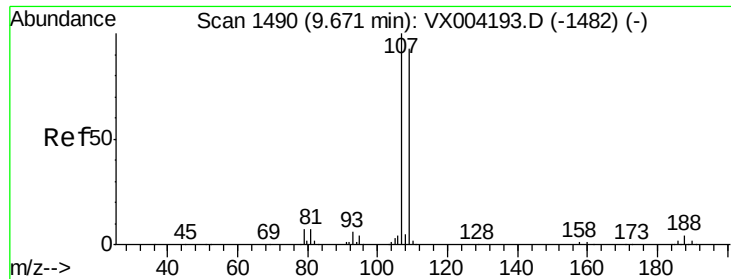
MMDadoda
9/7/2018 1:42:55 PM



#60
Dibromochloromethane
Concen: 18.85 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Tgt Ion: 129 Resp: 79531
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.5





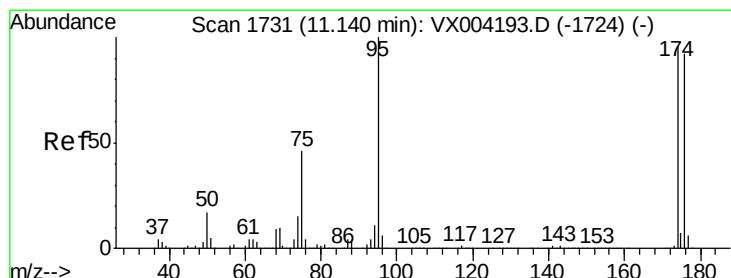
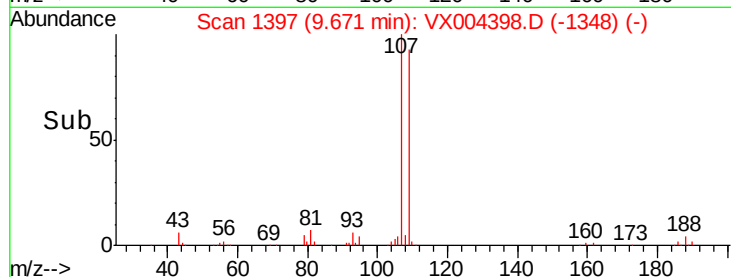
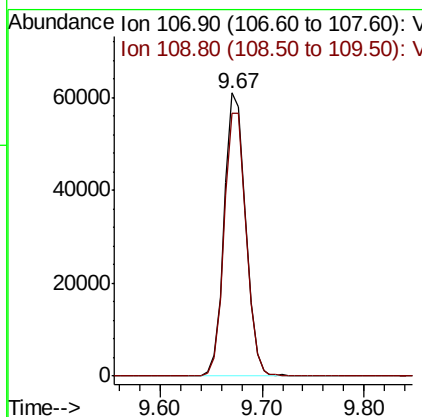
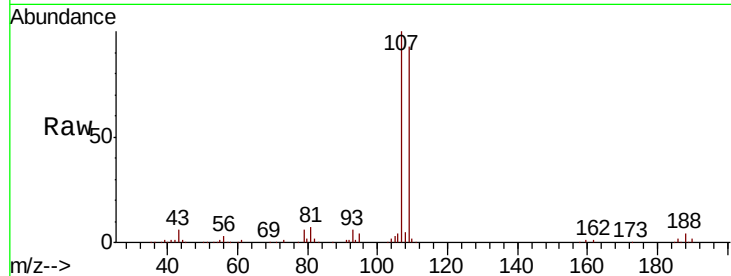
#61
 1,2-Dibromoethane
 Concen: 19.84 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.0	114.0

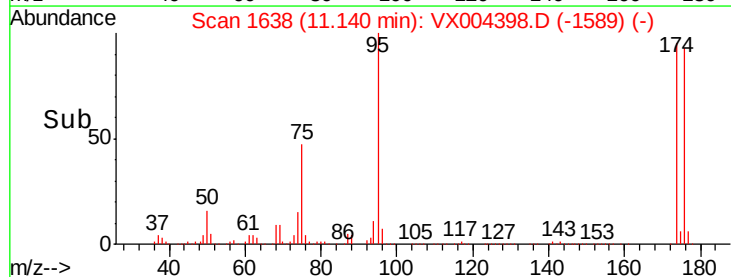
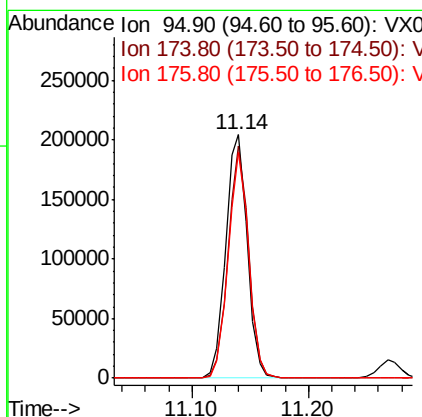
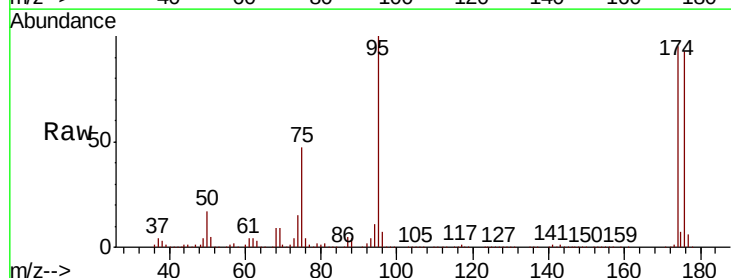
Manual Integrations
 APPROVED

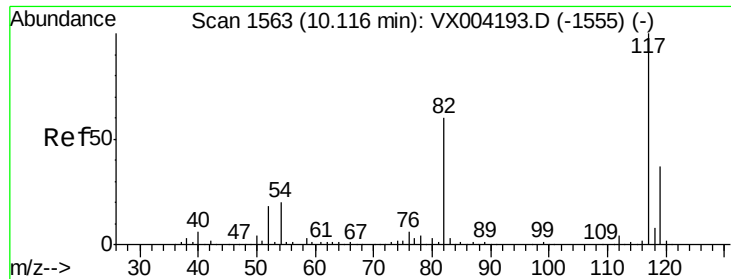
MMDadoda
 9/7/2018 1:42:55 PM



#62
 4-Bromofluorobenzene
 Concen: 48.79 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	185.2
176	88.6	0.0	178.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Instrument :

MSVOA_X

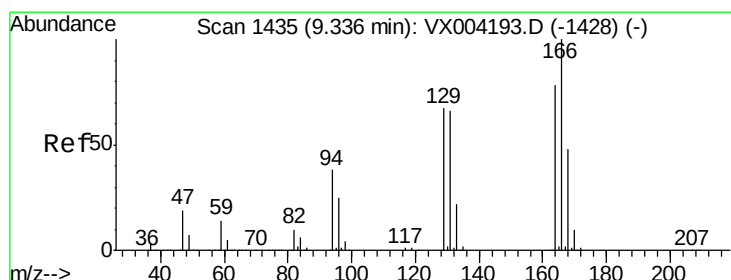
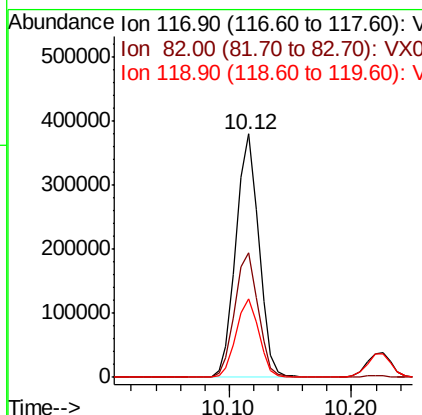
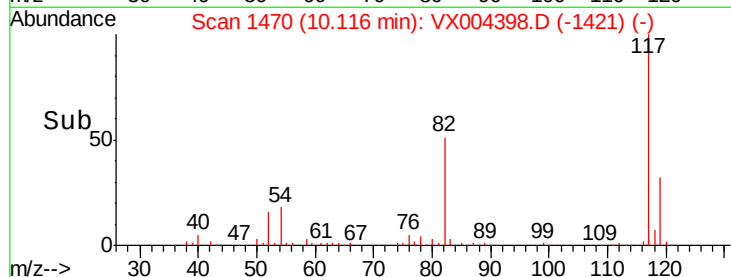
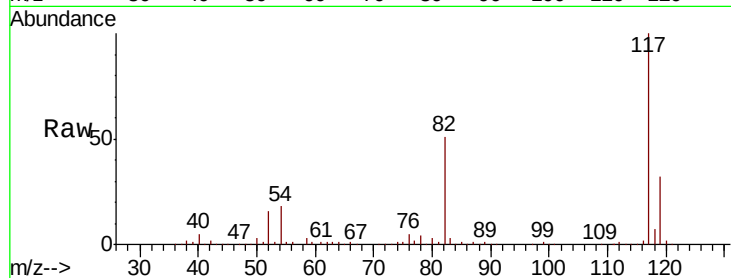
ClientSampled :

VX0906MBSD01

Tot Ion:	117	Resp:	493162
Ion Ratio	Lower	Upper	
117	100		
82	51.3	47.8	71.6
119	32.0	29.3	43.9

Manual Integrations
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9/7/2018 1:42:55 PM



#64

Tetrachloroethene

Concen: 20.96 ug/l

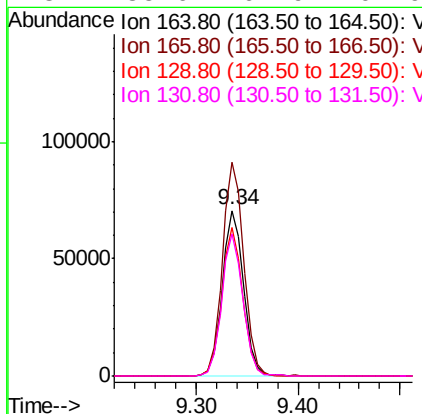
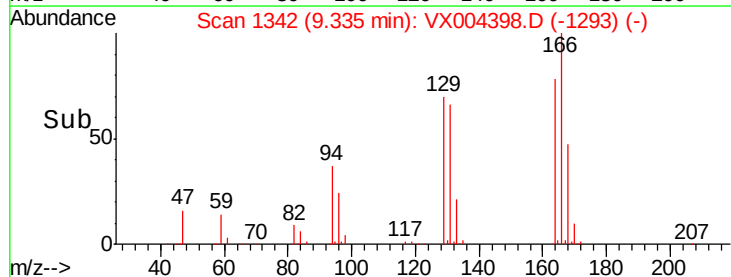
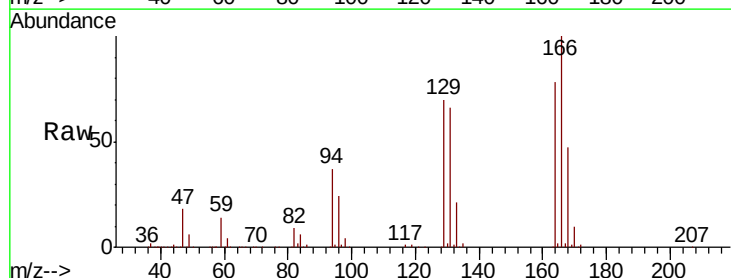
RT: 9.34 min Scan# 1342

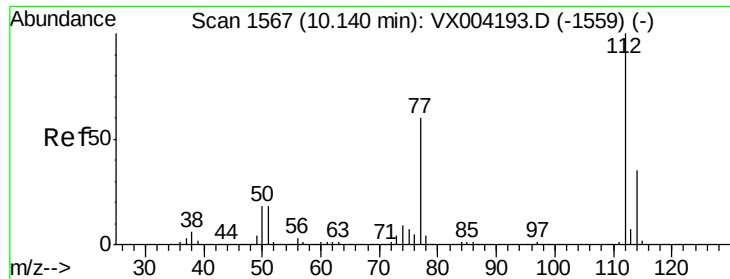
Delta R.T. -0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Tgt Ion:	164	Resp:	102134
Ion Ratio	Lower	Upper	
164	100		
166	128.8	102.8	154.2
129	89.8	69.4	104.0
131	85.6	67.9	101.9





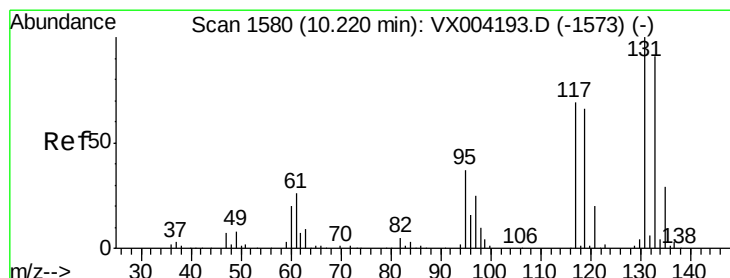
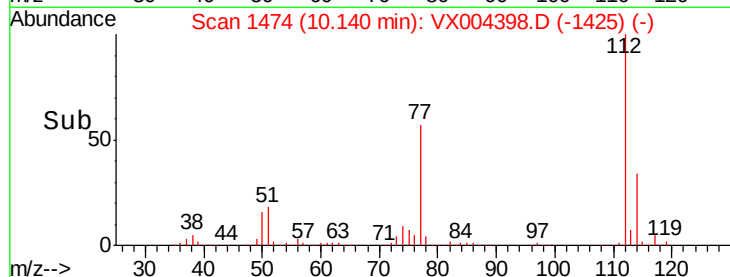
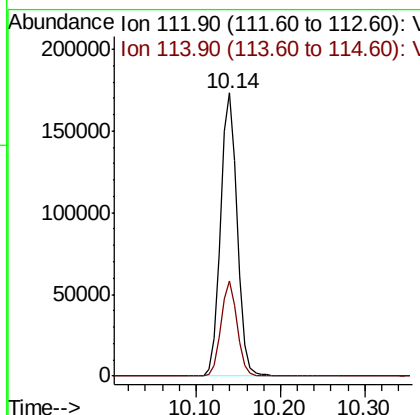
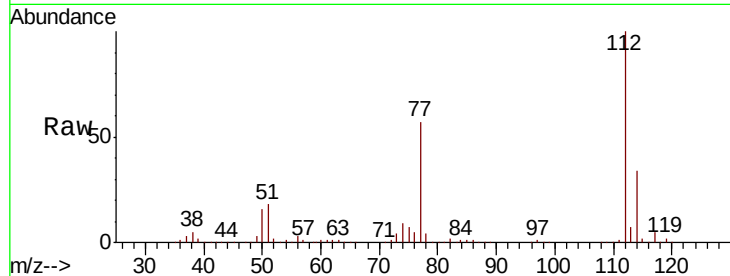
#65
Chlorobenzene
Concen: 19.22 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Instrument :
MSVOA_X
ClientSampleId :
VX0906MBSD01

Tot Ion:112 Resp: 237829
Ion Ratio Lower Upper
112 100
114 33.6 27.8 41.8

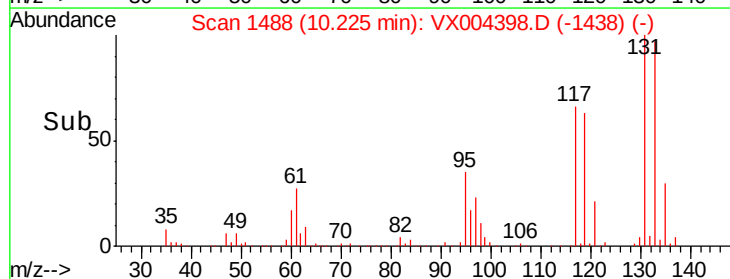
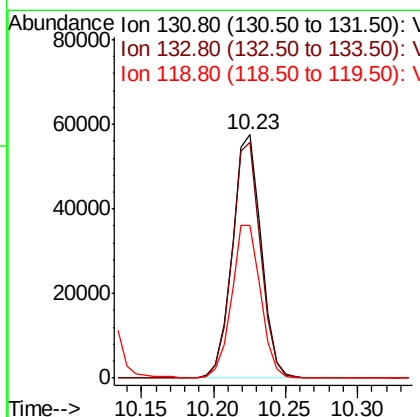
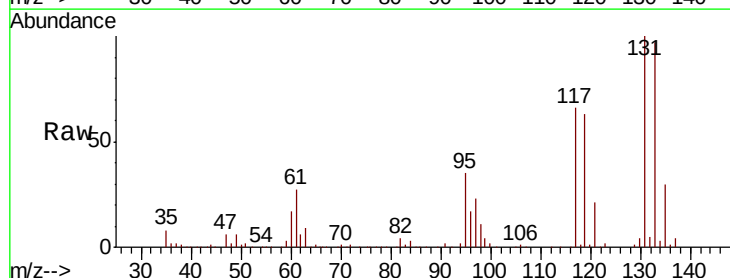
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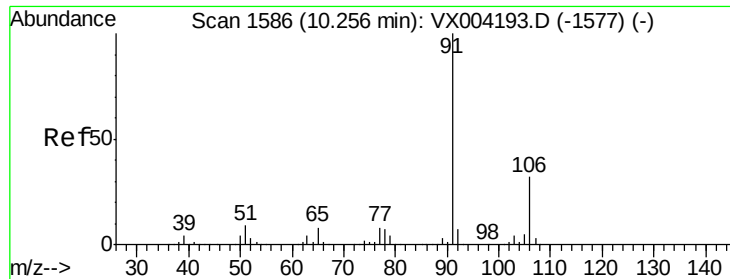
MMDadoda
9/7/2018 1:42:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.77 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Tgt Ion:131 Resp: 80149
Ion Ratio Lower Upper
131 100
133 96.5 48.1 144.4
119 63.6 32.9 98.6





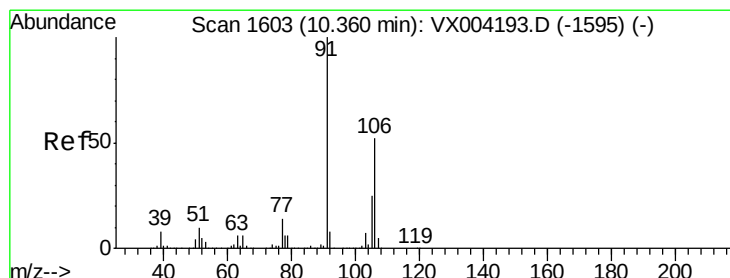
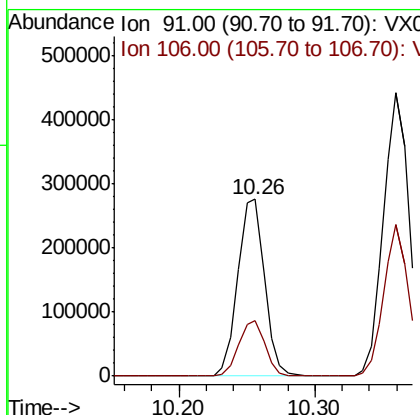
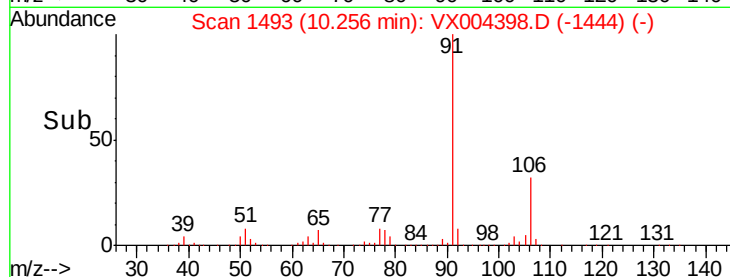
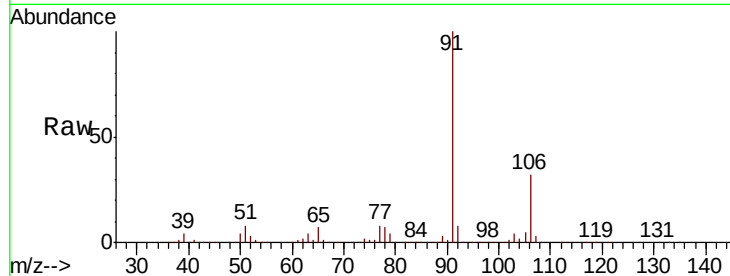
#67
Ethyl Benzene
Concen: 18.83 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Instrument :
MSVOA_X
ClientSampled :
VX0906MBSD01

Tot Ion: 91 Resp: 378493
Ion Ratio Lower Upper
91 100
106 31.6 25.9 38.9

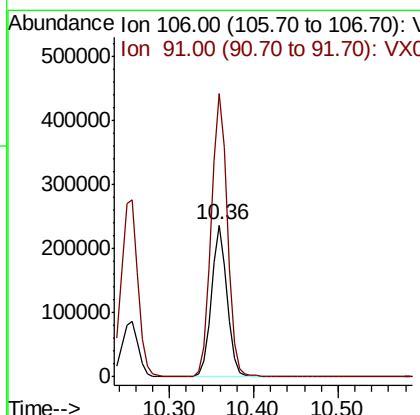
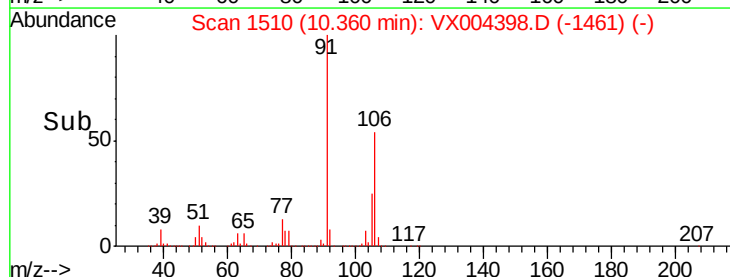
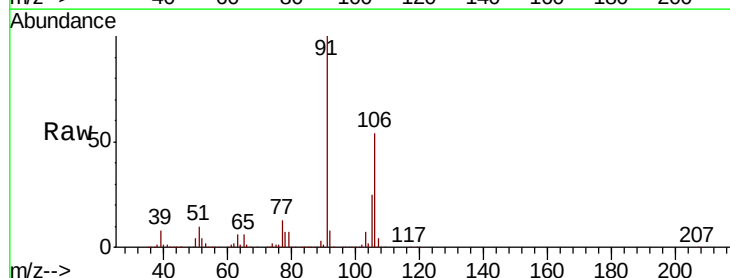
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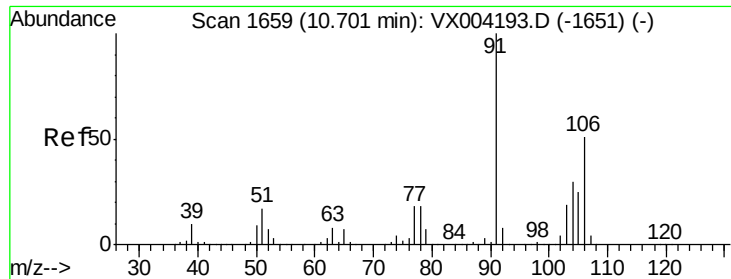
MMDadoda
9/7/2018 1:42:55 PM



#68
m/p-Xylenes
Concen: 38.73 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Tgt Ion: 106 Resp: 304386
Ion Ratio Lower Upper
106 100
91 193.3 157.1 235.7





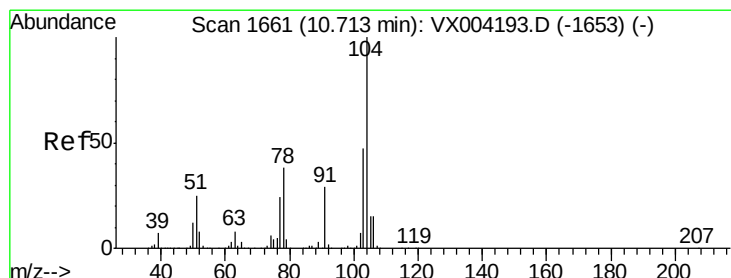
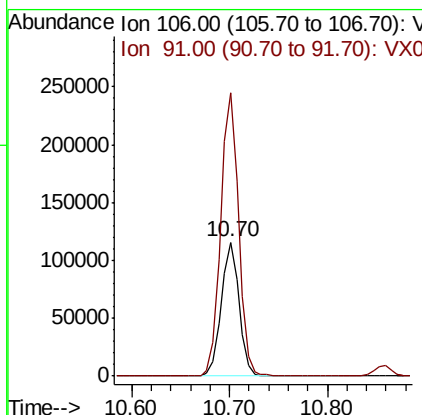
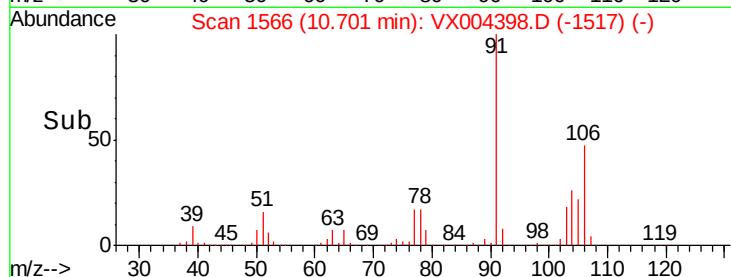
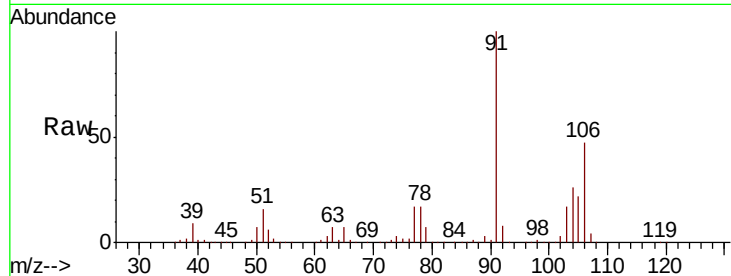
#69
o-Xylene
Concen: 19.67 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Instrument :
MSVOA_X
ClientSampleId :
VX0906MBSD01

Tot Ion:106 Resp: 146207
Ion Ratio Lower Upper
106 100
91 211.9 105.1 315.1

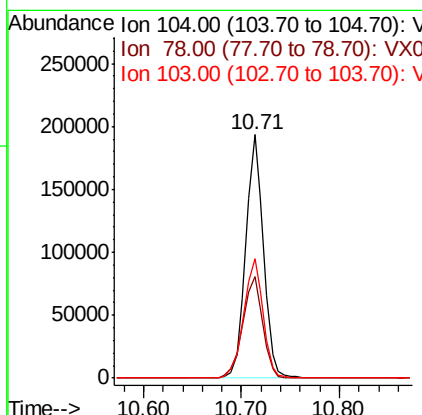
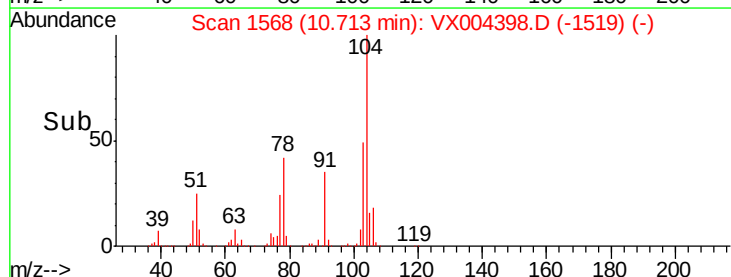
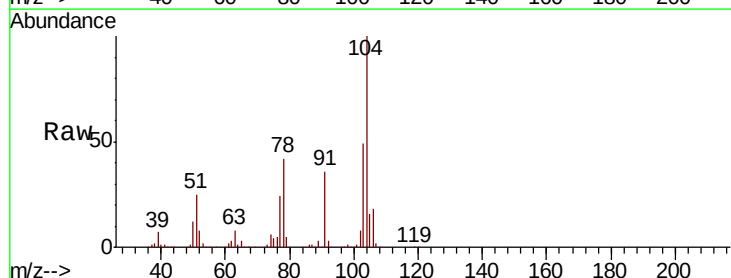
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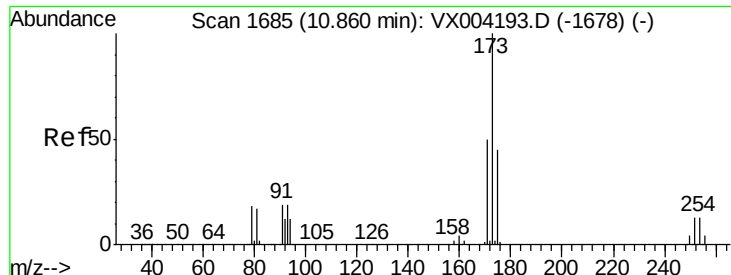
MMDadoda
9/7/2018 1:42:55 PM



#70
Styrene
Concen: 20.23 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Tgt Ion:104 Resp: 243517
Ion Ratio Lower Upper
104 100
78 47.3 37.4 56.0
103 53.8 43.8 65.6





#71

Bromoform

Concen: 17.36 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Instrument :

MSVOA_X

ClientSampleId :

VX0906MBSD01

Tot Ion:173 Resp: 59735

Ion Ratio Lower Upper

173 100

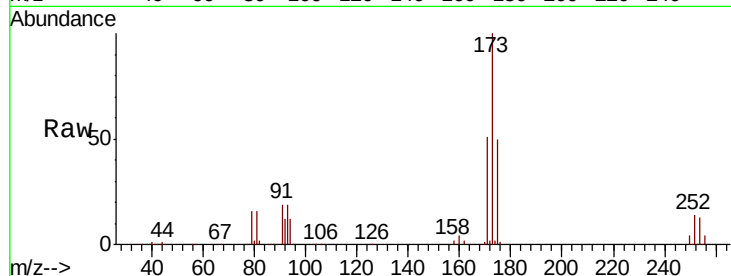
175 48.6 24.1 72.3

254 0.2 0.2 0.2

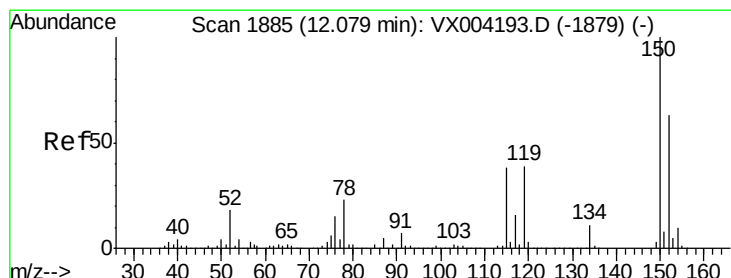
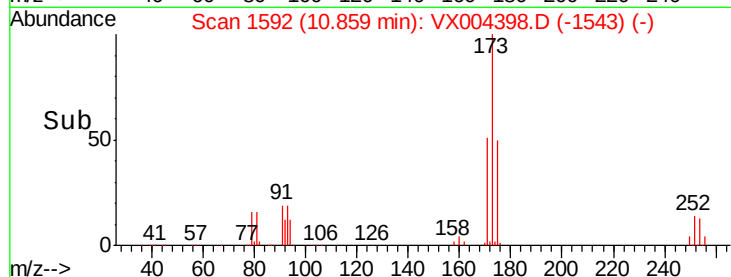
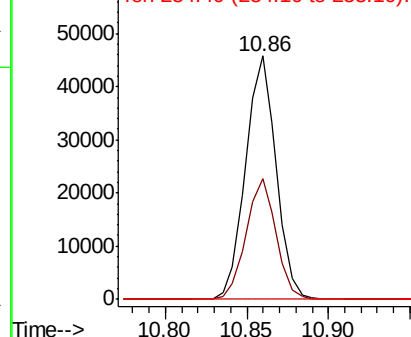
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

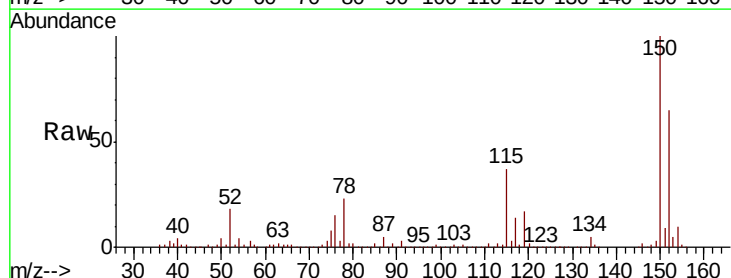
Tgt Ion:152 Resp: 292780

Ion Ratio Lower Upper

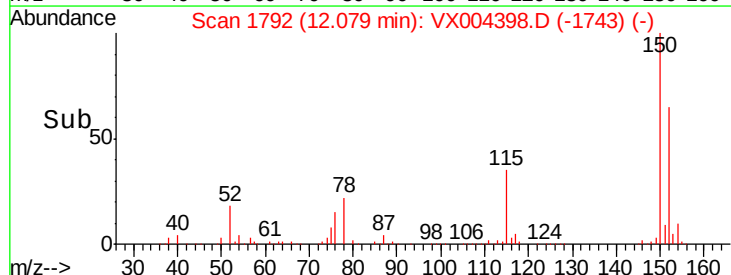
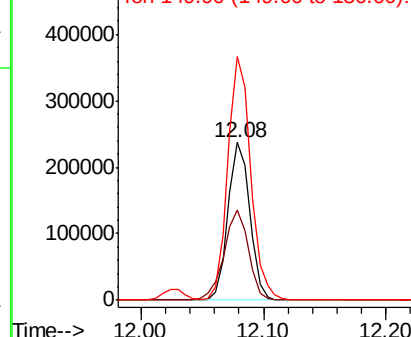
152 100

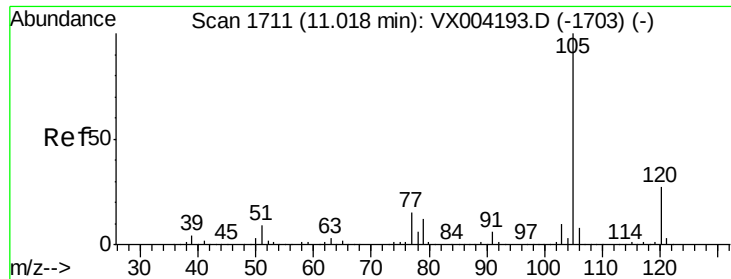
115 63.8 39.0 117.0

150 162.7 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.97 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Instrument :

MSVOA_X

ClientSampleId :

VX0906MBSD01

Tot Ion:105 Resp: 403239

Ion Ratio Lower Upper

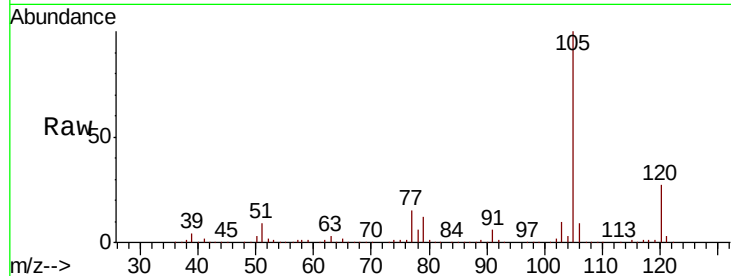
105 100

120 27.0 13.5 40.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

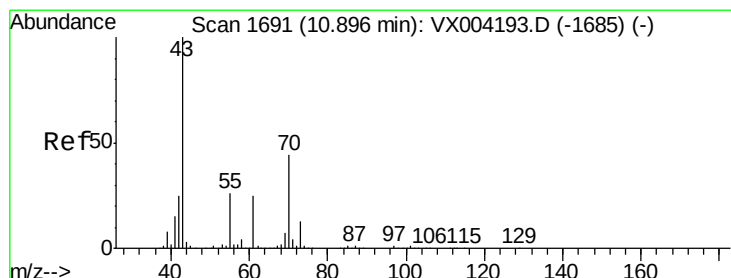
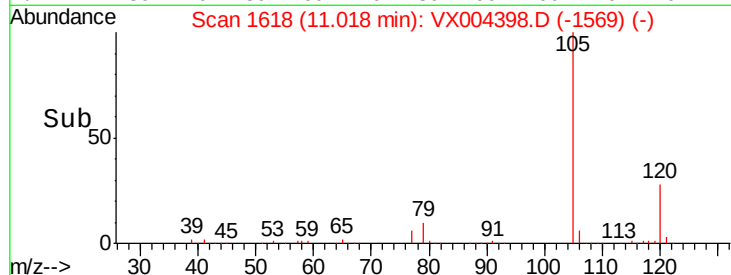
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 19.85 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Tgt Ion: 43 Resp: 146980

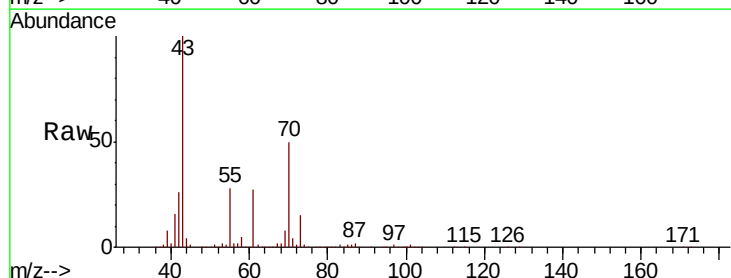
Ion Ratio Lower Upper

43 100

70 47.2 37.4 56.0

55 28.2 21.8 32.8

61 25.6 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.90

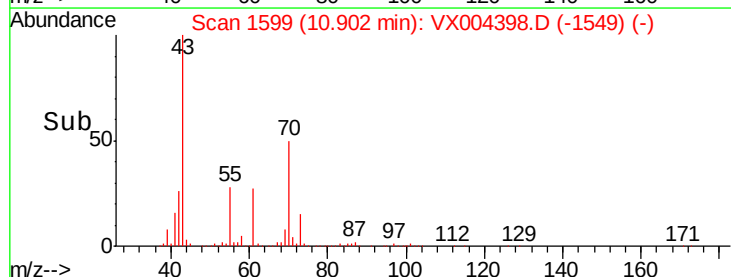
150000

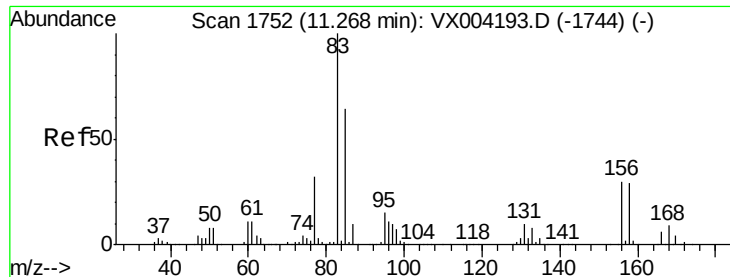
100000

50000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 19.40 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Instrument :

MSVOA_X

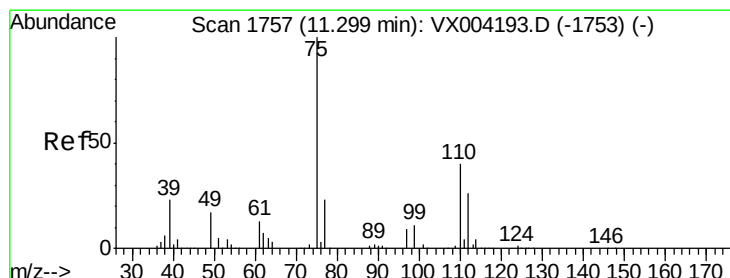
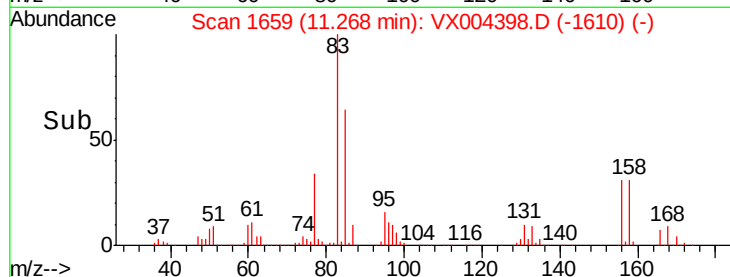
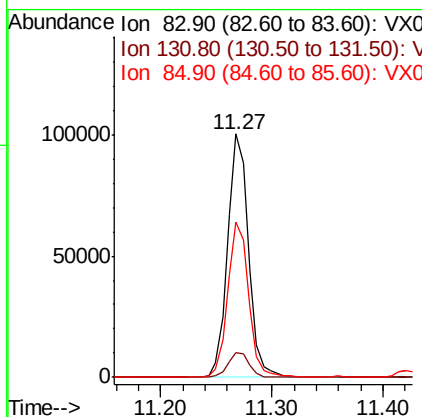
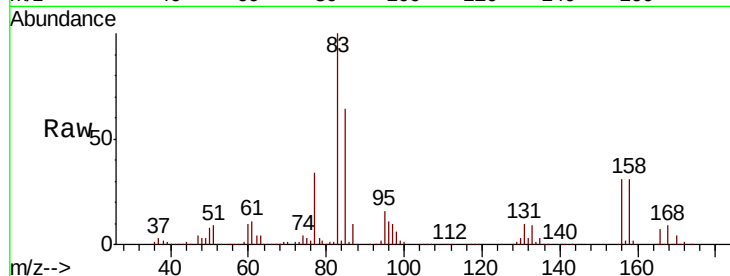
ClientSampled :

VX0906MBS01

Tot Ion:	83	Resp:	130563
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	63.7	32.3	96.8

Manual Integrations
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9/7/2018 1:42:55 PM



#76

1,2,3-Trichloropropane

Concen: 20.06 ug/l m

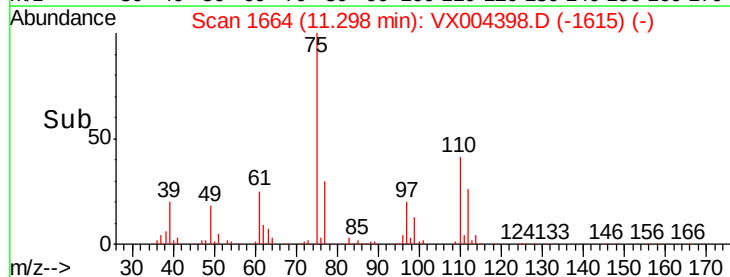
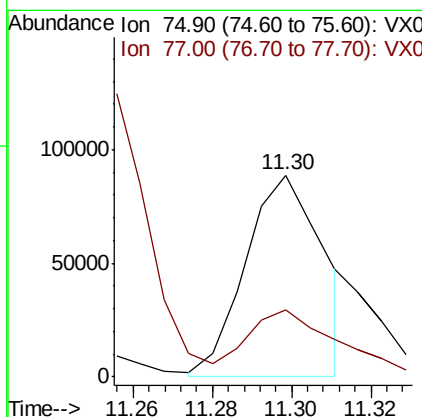
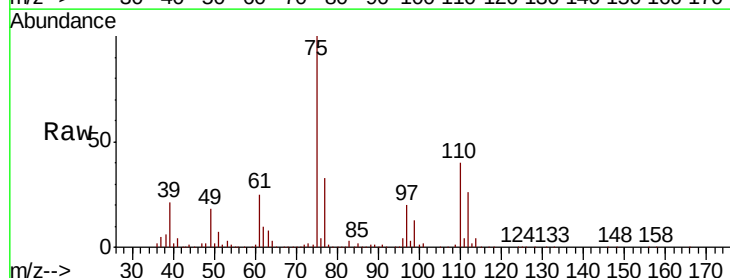
RT: 11.30 min Scan# 1664

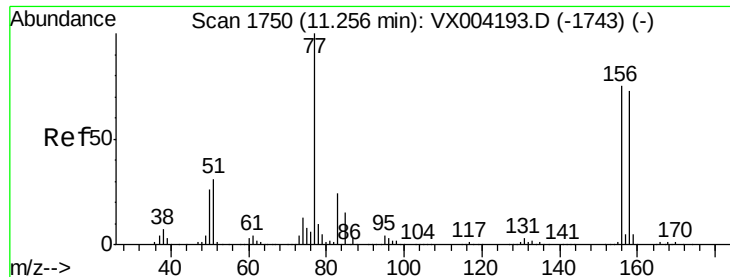
Delta R.T. -0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Tgt Ion:	75	Resp:	119462
Ion Ratio	Lower	Upper	
75	100		
77	39.4	20.2	60.6





#77

Bromobenzene

Concen: 19.80 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Instrument :

MSVOA_X

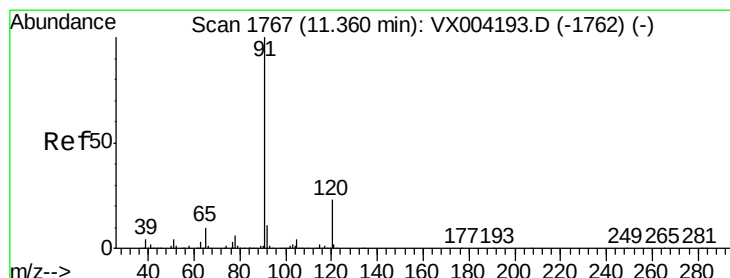
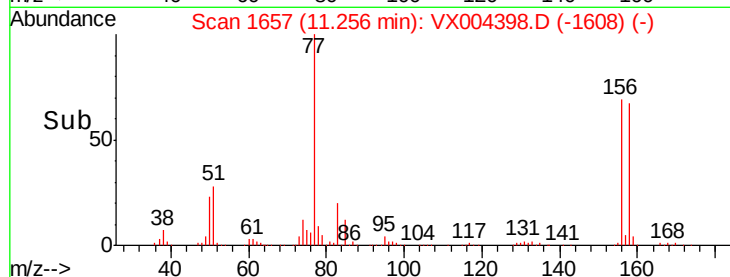
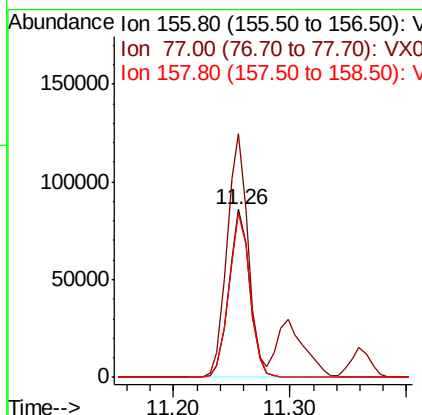
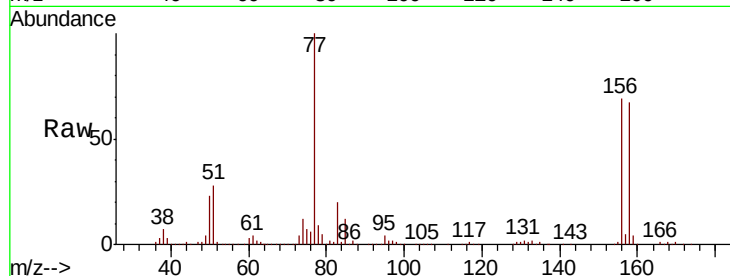
ClientSampleId :

VX0906MBS01

Tot Ion:	156	Resp:	106784
Ion Ratio	Lower	Upper	
156	100		
77	146.6	71.5	214.3
158	98.1	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.54 ug/l

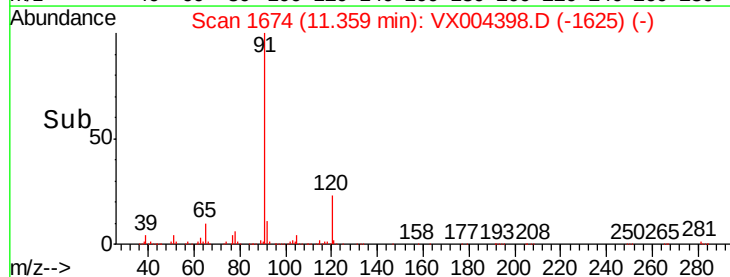
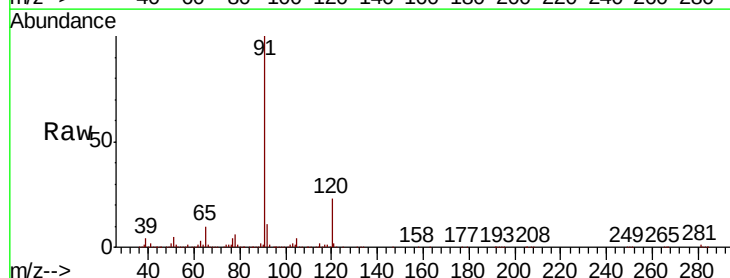
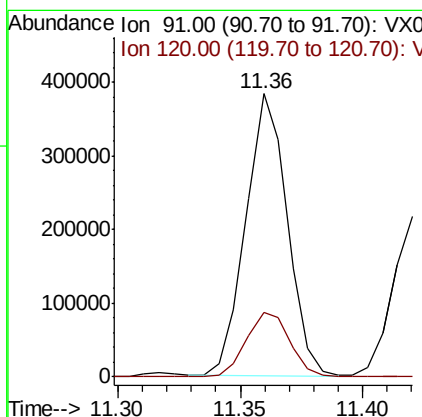
RT: 11.36 min Scan# 1674

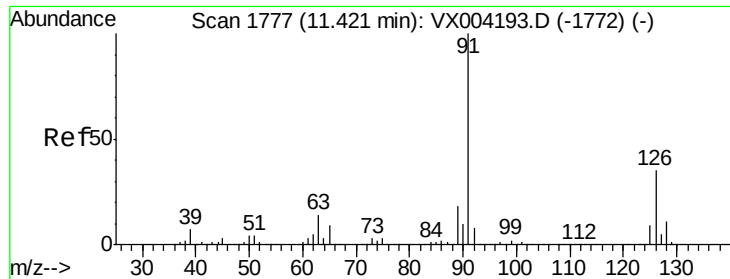
Delta R.T. -0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Tgt Ion:	91	Resp:	454342
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.9	35.9





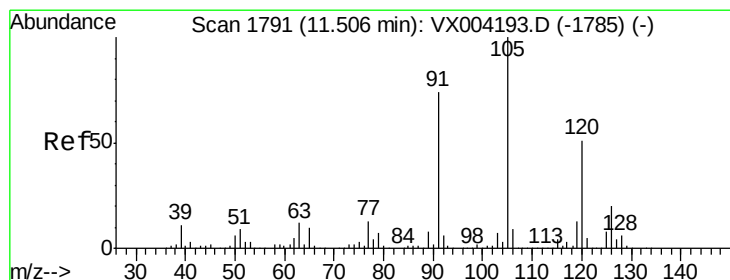
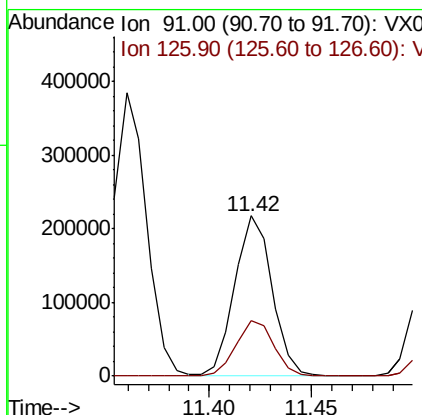
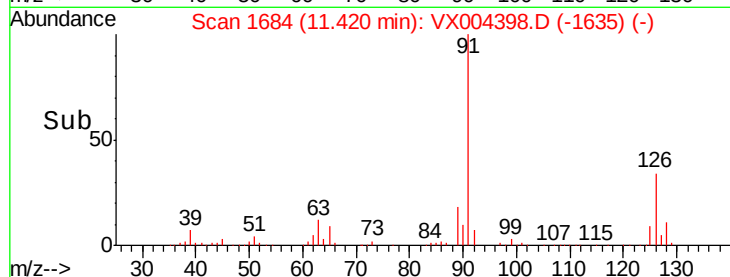
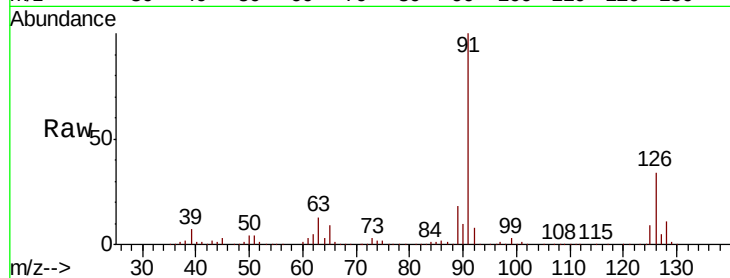
#79
 2-Chlorotoluene
 Concen: 20.17 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906MBSD01

Tot Ion: 91 Resp: 274528
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.9 53.7

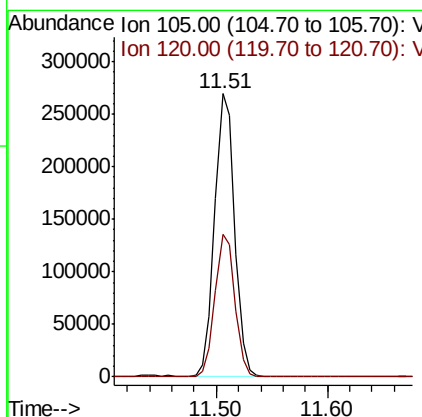
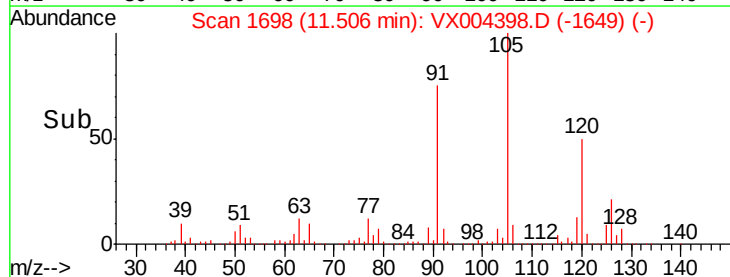
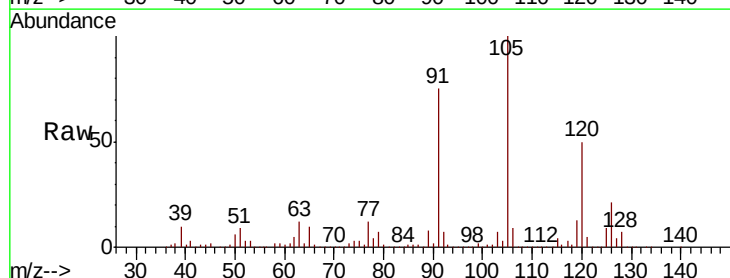
Manual Integrations
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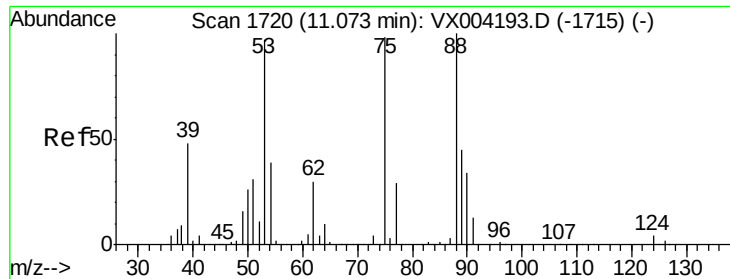
MMDadoda
 9/7/2018 1:42:55 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.06 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Tgt Ion: 105 Resp: 335315
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.75 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.01 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Instrument :

MSVOA_X

ClientSampleId :

VX0906MBSD01

Tot Ion: 75 Resp: 30740

Ion Ratio Lower Upper

75 100

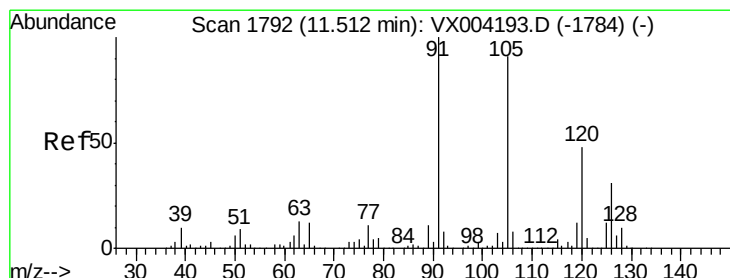
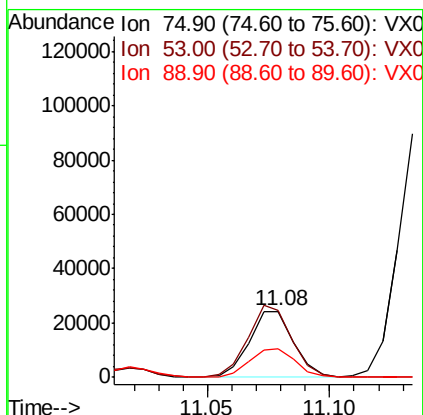
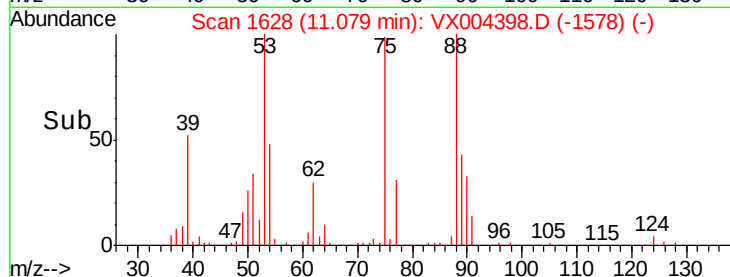
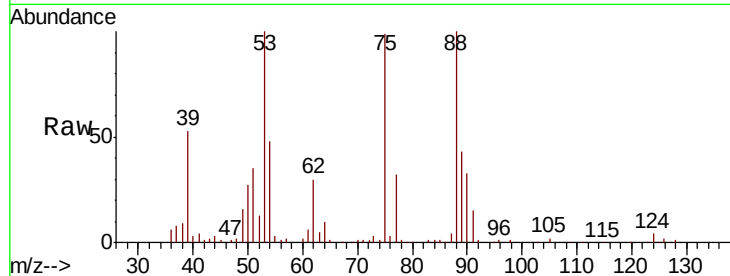
53 105.8 80.1 120.1

89 45.2 37.2 55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.91 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004398.D

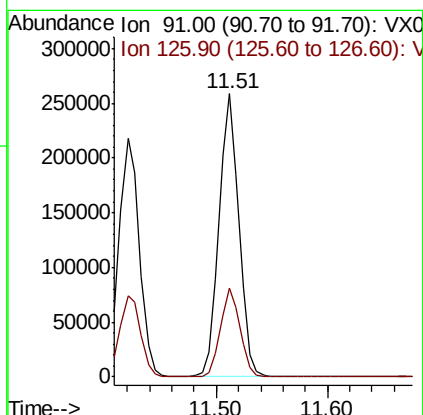
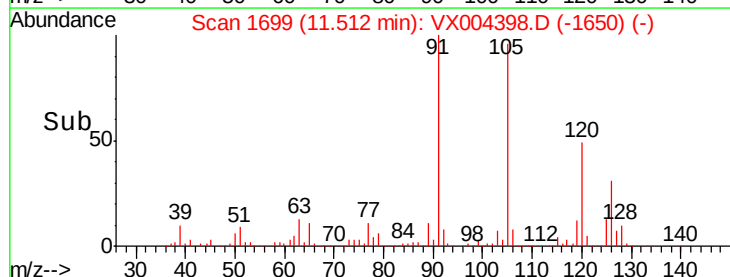
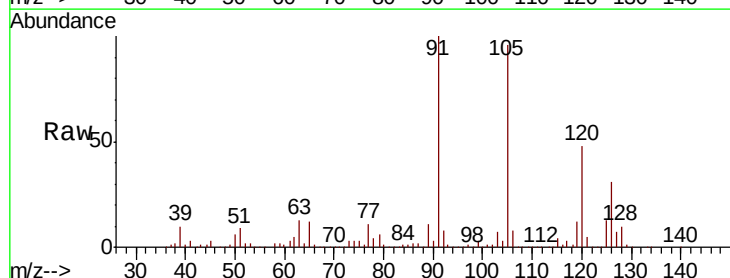
Acq: 06 Sep 2018 21:07

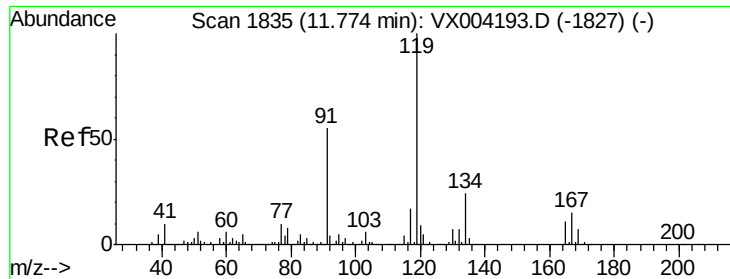
Tgt Ion: 91 Resp: 318987

Ion Ratio Lower Upper

91 100

126 31.0 15.5 46.5





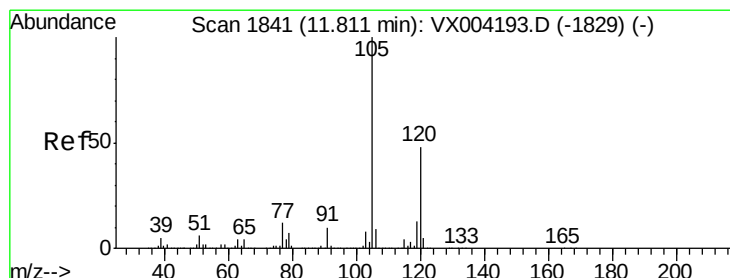
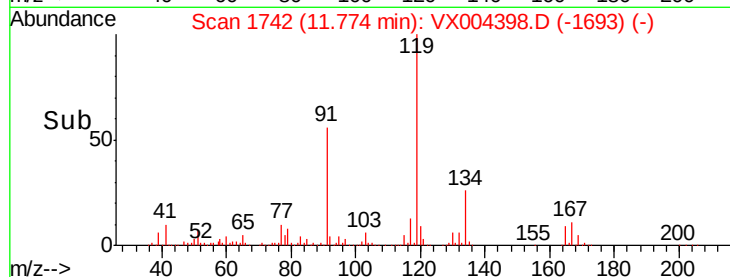
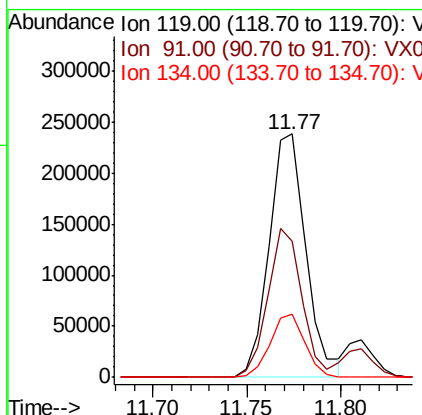
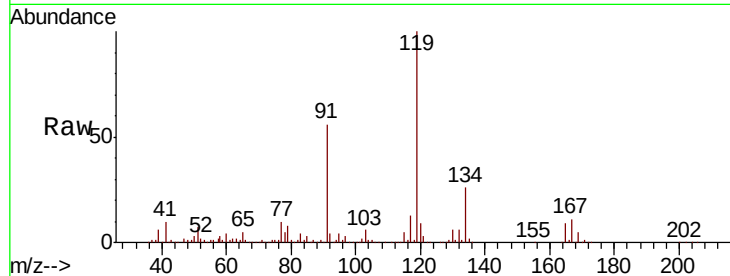
#83
 tert-Butylbenzene
 Concen: 20.18 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.3	27.0	81.0
134	24.6	11.7	35.1

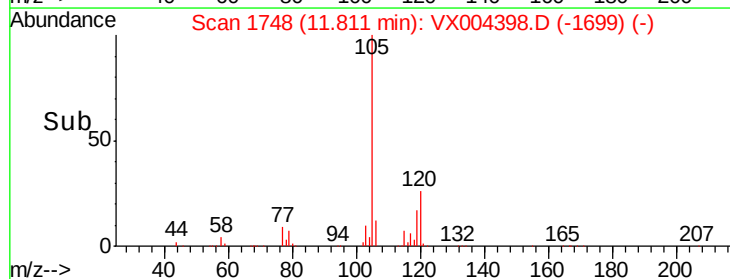
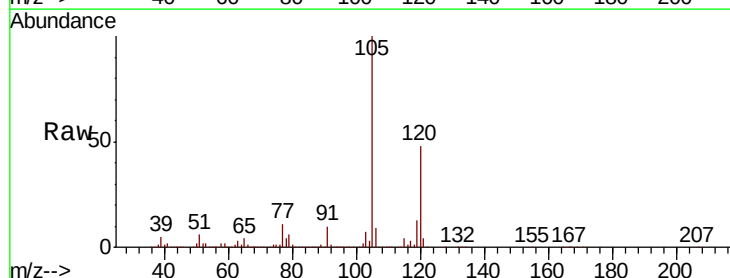
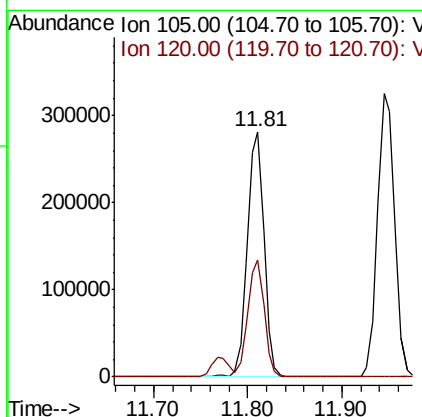
Manual Integrations
 APPROVED

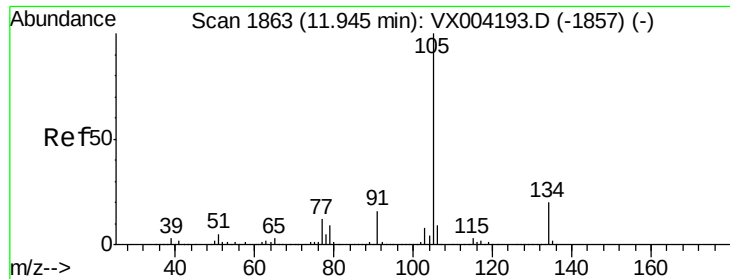
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.41 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.2	69.6





#85

sec-Butylbenzene

Concen: 21.50 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Instrument :

MSVOA_X

ClientSampleId :

VX0906MBSD01

Tot Ion:105 Resp: 408960

Ion Ratio Lower Upper

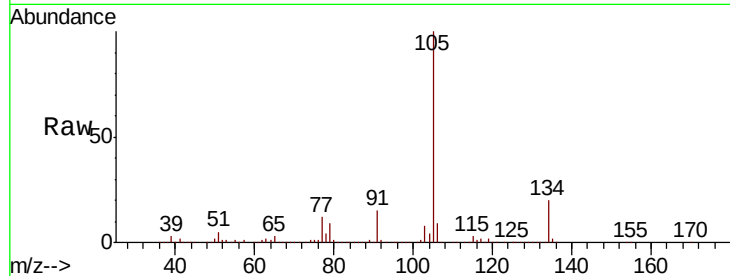
105 100

134 21.1 10.5 31.5

Manual Integrations
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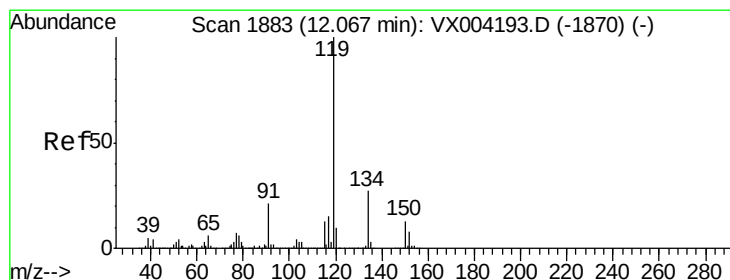
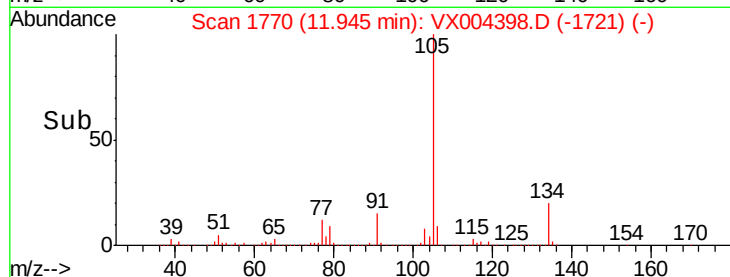
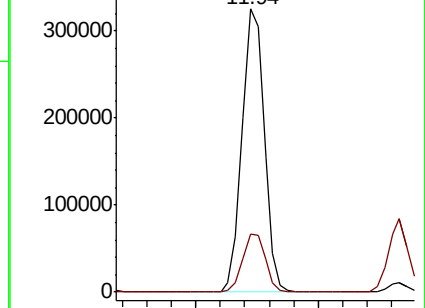
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.32 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

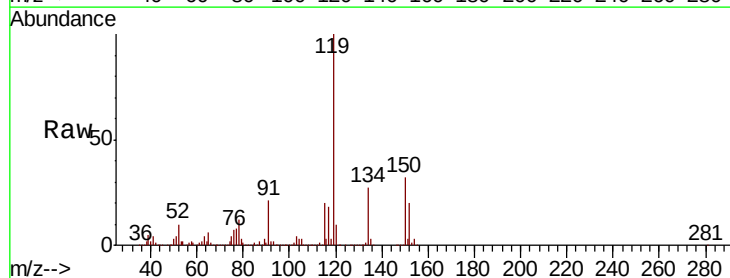
Tgt Ion:119 Resp: 363374

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

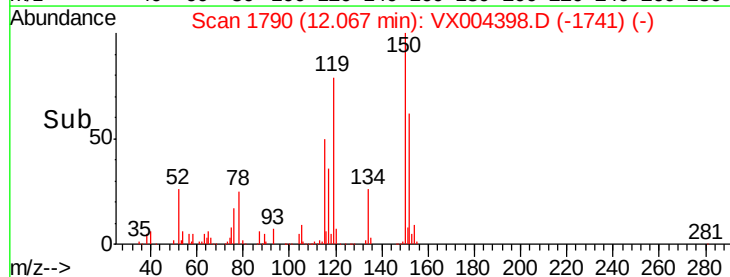
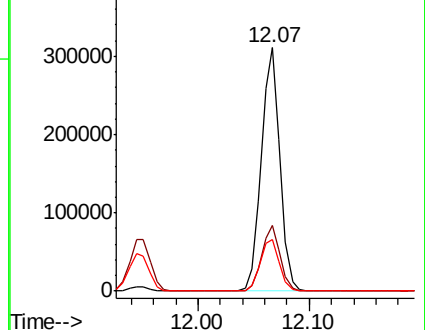
91 21.9 10.9 32.7

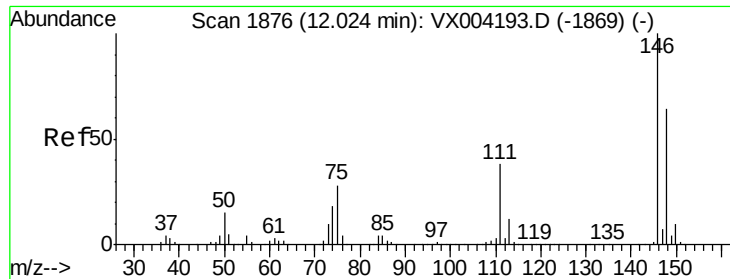


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





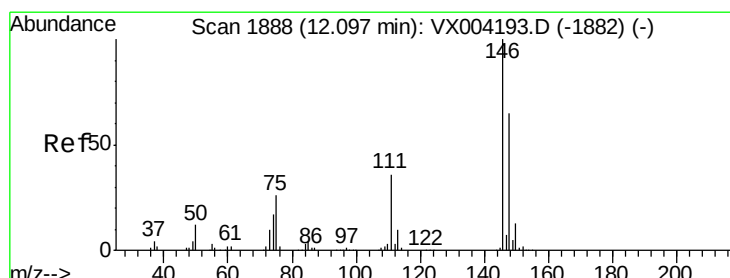
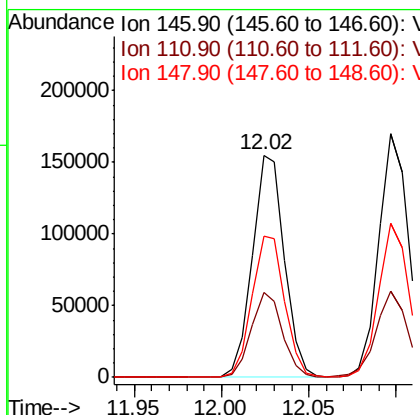
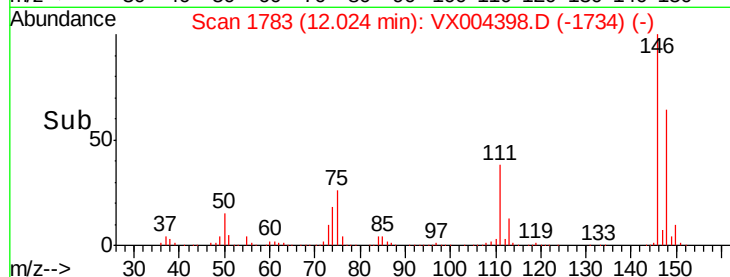
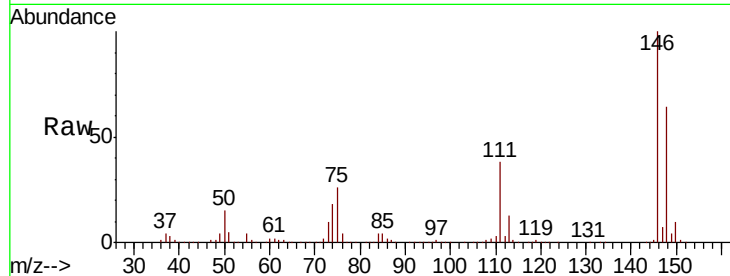
#87
 1,3-Dichlorobenzene
 Concen: 19.40 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.7	56.1
148	65.2	32.1	96.5

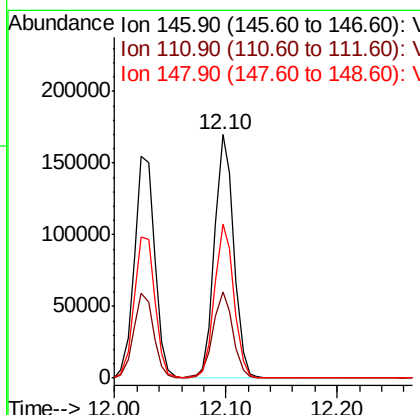
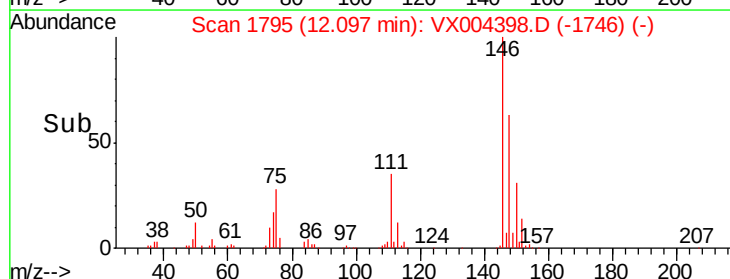
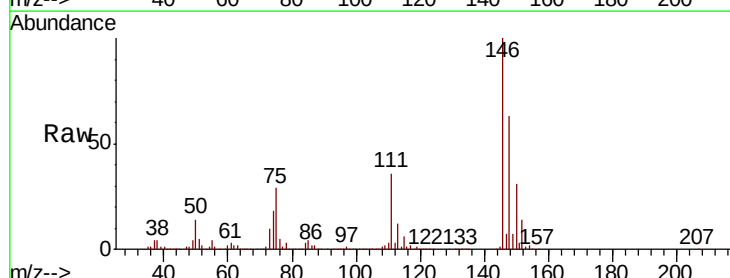
Manual Integrations
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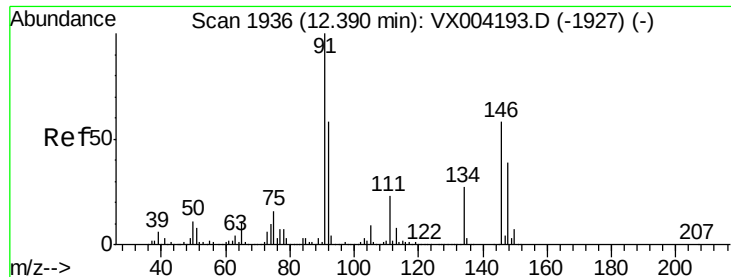
MMDadoda
 9/7/2018 1:42:55 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.94 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.1
148	63.8	32.0	96.0





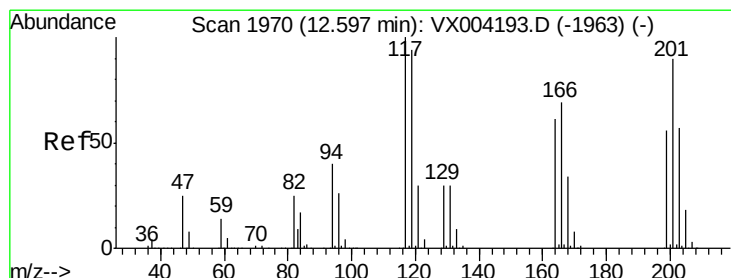
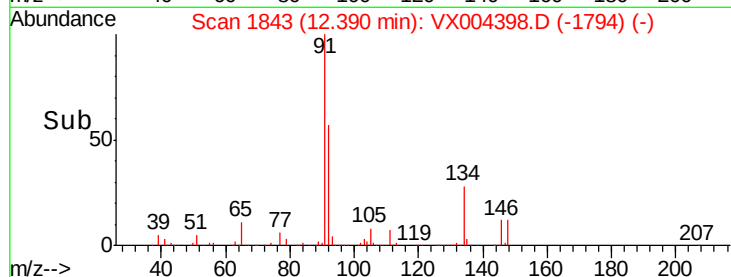
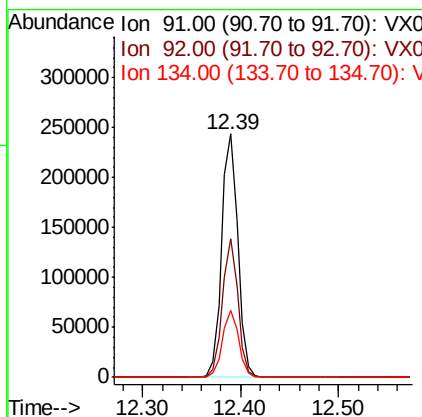
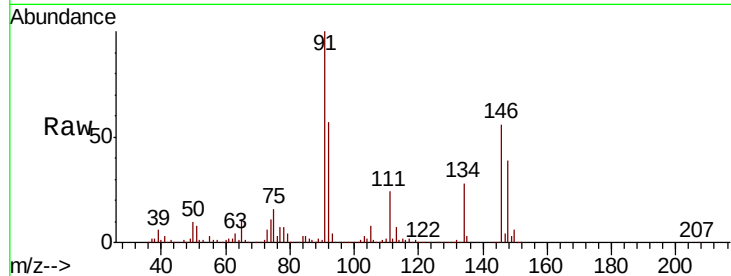
#89
n-Butylbenzene
Concen: 20.17 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Instrument :
MSVOA_X
ClientSampleId :
VX0906MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.3	81.9
134	27.5	13.6	40.7

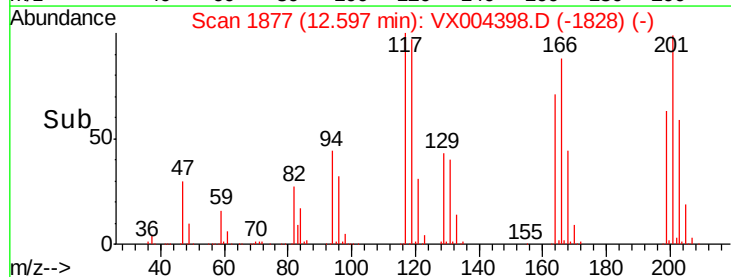
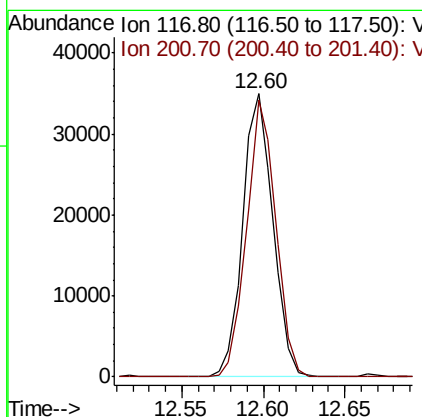
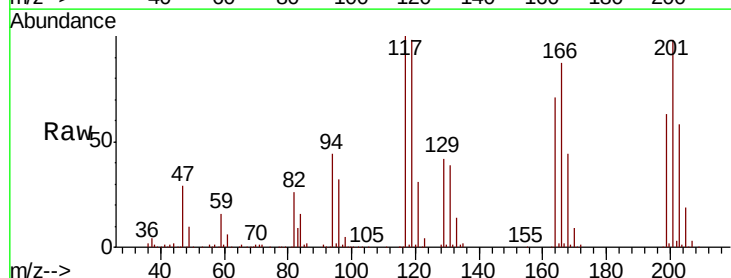
Manual Integrations
APPROVED

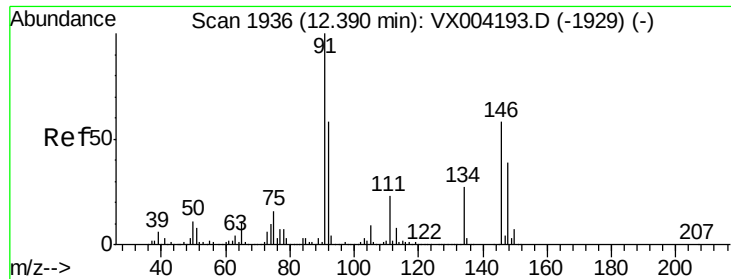
MMDadoda
9/7/2018 1:42:55 PM



#90
Hexachloroethane
Concen: 18.92 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004398.D
Acq: 06 Sep 2018 21:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.9	46.9	140.6





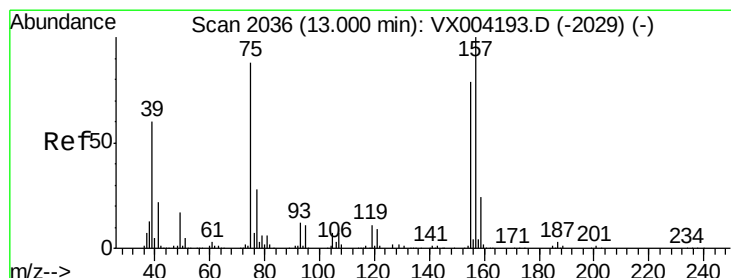
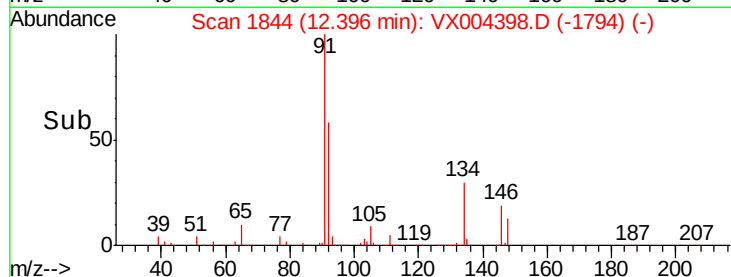
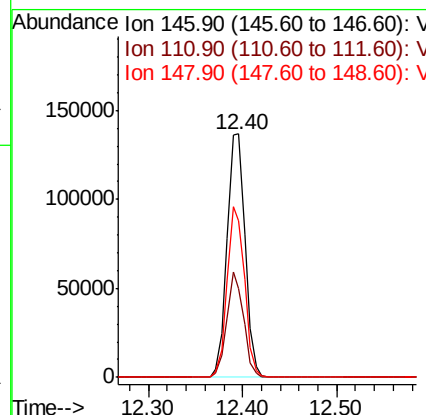
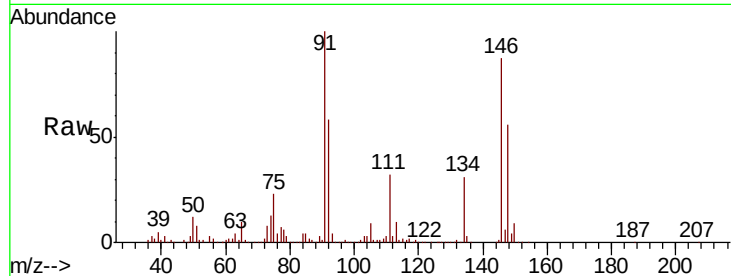
#91
 1,2-Dichlorobenzene
 Concen: 19.62 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.4	58.1
148	67.2	32.8	98.3

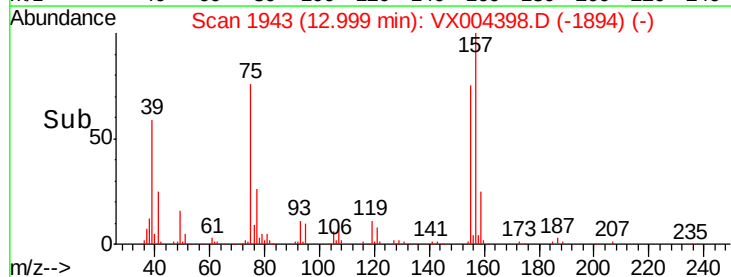
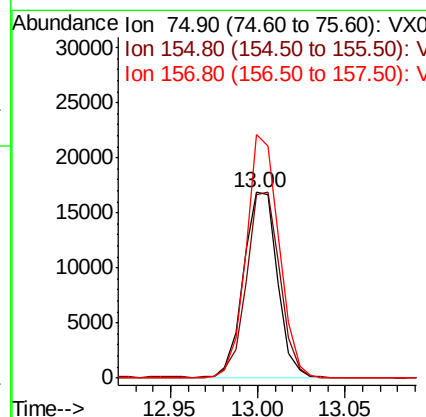
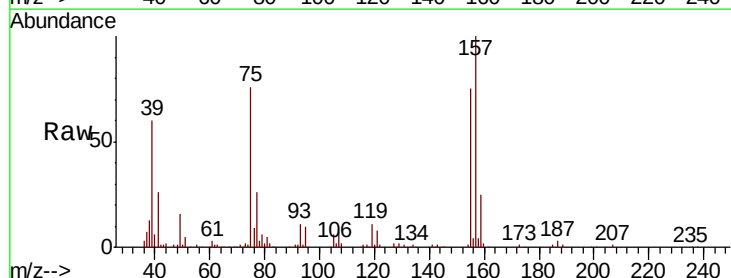
Manual Integrations
 APPROVED

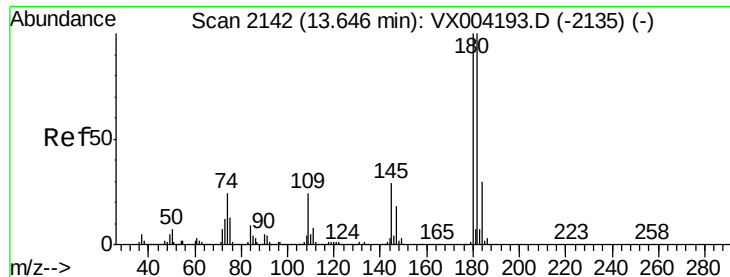
MMDadoda
 9/7/2018 1:42:55 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.17 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.8	48.0	144.2
157	127.2	61.4	184.1





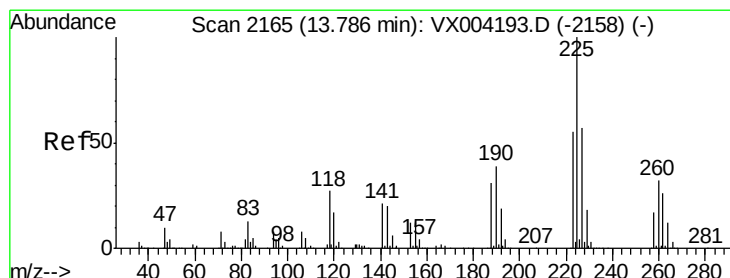
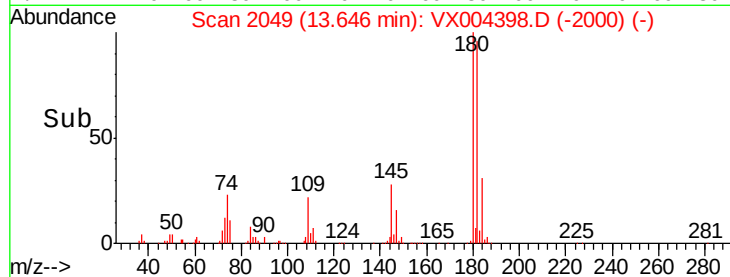
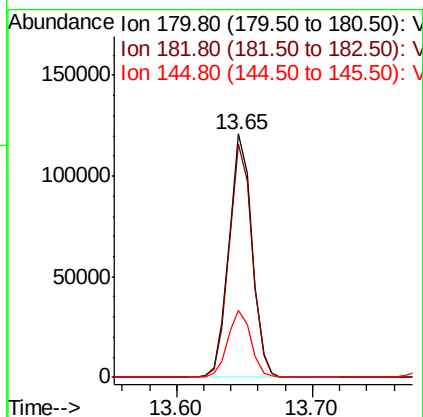
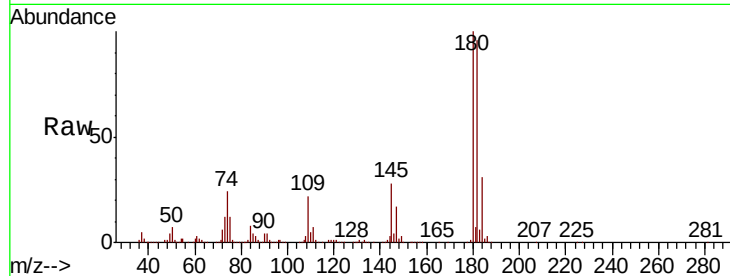
#93
 1,2,4-Trichlorobenzene
 Concen: 21.09 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	142446		
182	96.3	48.4	145.0	
145	27.4	14.3	42.9	

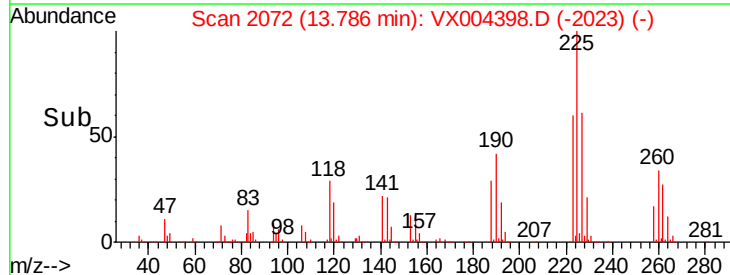
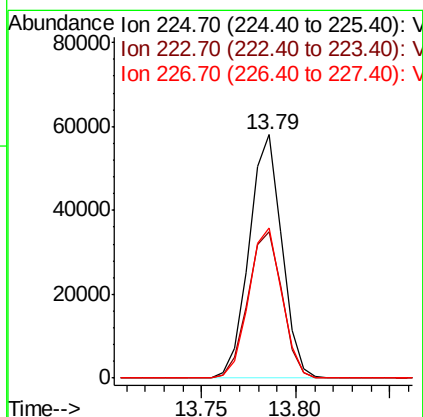
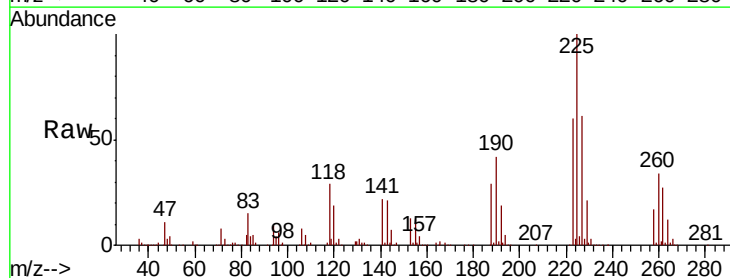
Manual Integrations
 APPROVED

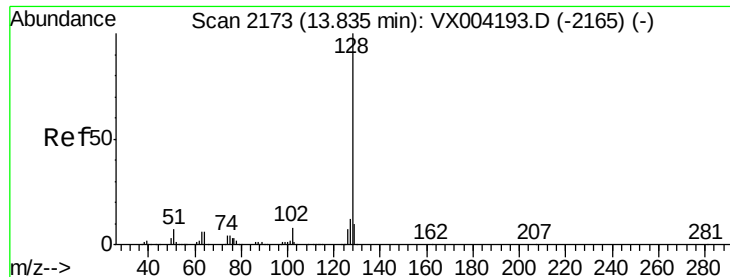
MMDadoda
 9/7/2018 1:42:55 PM



#94
 Hexachlorobutadiene
 Concen: 22.20 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004398.D
 Acq: 06 Sep 2018 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70002		
223	62.7	30.1	90.5	
227	62.4	30.8	92.4	





#95

Naphthalene

Concen: 22.93 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Instrument :

MSVOA_X

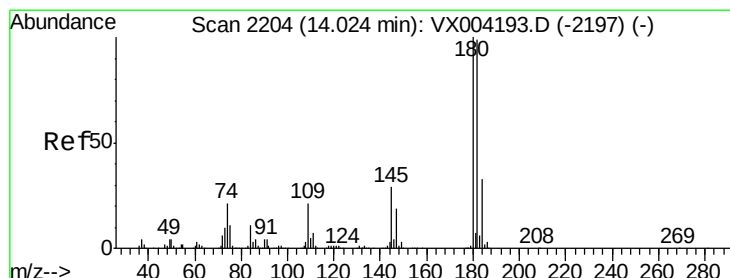
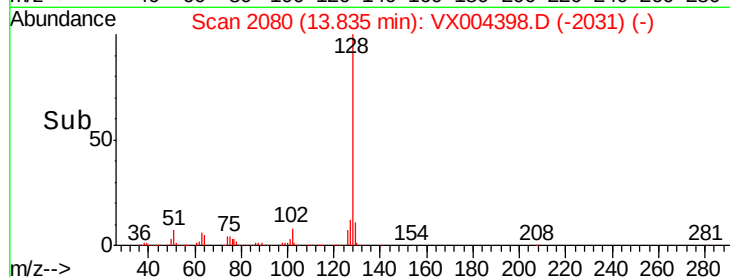
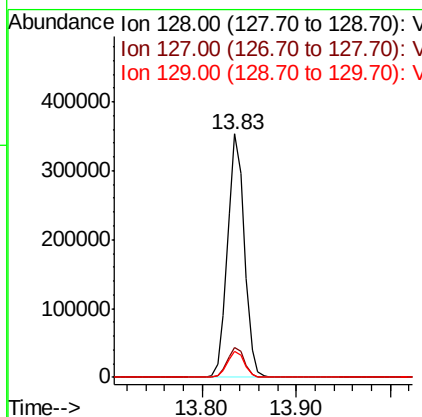
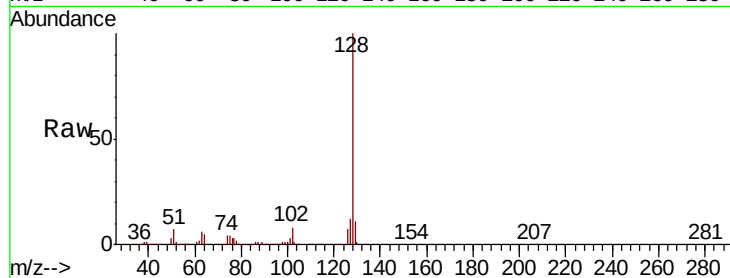
ClientSampleId :

VX0906MBSD01

Tot Ion:	128	Resp:	438080
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/7/2018 1:42:55 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.11 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004398.D

Acq: 06 Sep 2018 21:07

Tgt Ion:	180	Resp:	150953
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.5	145.6
145	29.7	14.9	44.9

